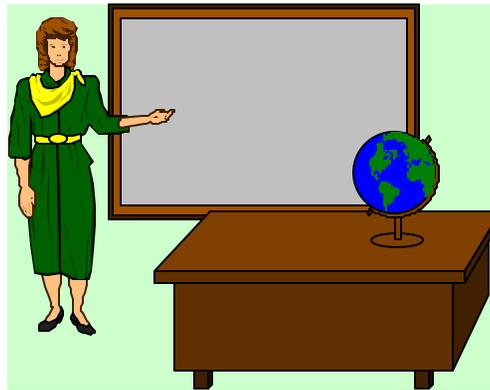


Industry and Occupational Employment Projections: 1998 - 2008

Southwest, VA Region



Virginia Employment Commission
Economic Information Services Division
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For more information about how the projections are done, call Ms. Lynn Bradford at (804) 786-8218. To obtain the projections for other geographical areas or additional copies of these projections, contact the Labor Market and Demographic Analysis Unit of the Economic Information Services Division at (804) 786-8223.

The Virginia Employment Commission is an equal opportunities/program. Auxiliary aids and services are available upon request to individuals with disabilities.

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NONMETROPOLITAN AREAS

Region 1 - Southwest Virginia

Bland County
Buchanan County
Carroll County
Craig County
Dickenson County
Floyd County
Franklin County
Giles County
Grayson County
Henry County
Lee County
Montgomery County
Patrick County
Pulaski County
Russell County
Smyth County
Tazewell County
Wise County
Wythe County
Galax City
Martinsville City
Norton City
Radford City

Region 2 - Southside Virginia

Amelia County
Appomattox County
Brunswick County
Buckingham County
Charlotte County
Cumberland County
Greensville County
Halifax County
Lunenburg County
Mecklenburg County
Nottoway County
Prince Edward County
Southampton County
Surry County
Sussex County
Emporia City
Franklin City

Region 3 - Northeast Virginia

Accomack County
Caroline County
Essex County
King & Queen County
King William County
Lancaster County
Middlesex County
Northampton County
Northumberland County
Richmond County
Westmoreland County

Region 4 - Northwest Virginia

Alleghany County
Augusta County
Bath County
Frederick County
Highland County
Louisa County
Madison County
Nelson County
Orange County
Page County
Rappahannock County
Rodkbridge County
Rockingham County
Shenandoah County
Buena Vista City
Clifton Forge City
Covington City
Harrisonburg City
Lexington City
Staunton City
Waynesboro City
Winchester City

METROPOLITAN STATISTICAL AREAS

Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia Portion)

Scott County
Washington County
Bristol City

Charlottesville MSA

Albemarle County
Fluvanna County
Greene County
Charlottesville City

Danville MSA

Pittsylvania County
Danville City

Lynchburg MSA

Amherst County
Bedford County
Campbell County
Bedford City
Lynchburg City

Norfolk-Virginia Beach-Newport News, VA-NC MSA (Virginia Portion)

Gloucester County
Isle of Wight County
James City County
Mathews County
York County
Chesapeake City
Hampton City
Newport News City
Norfolk City
Poquoson City
Portsmouth City
Suffolk City
Virginia Beach City
Williamsburg City

Washington DC-MD-VA-WV PMSA (Virginia Portion)

Arlington County
Clarke County
Culpeper County
Fairfax County
Fauquier County
King George County
Loudoun County
Prince William County
Spotsylvania County
Stafford County
Warren County
Alexandria City
Fairfax City
Falls Church City
Fredericksburg City
Manassas City
Manassas Park City

Richmond-Petersburg MSA

Charles City County
Chesterfield County
Dinwiddie County
Goochland County
Hanover County
Henrico County
New Kent County
Powhatan County
Prince George County
Colonial Heights City
Hopewell City
Petersburg City
Richmond City

Roanoke MSA

Botetourt County
Roanoke County
Roanoke City
Salem City

METHODOLOGY

The following projections are extrapolations of past trends into the future. The methodology for extending these trends is based on certain assumptions, which include the following:

1. The economic structure of the United States and Virginia will not change radically;
2. No major event such as widespread or long-lasting energy shortages or war will significantly alter the industrial structure of the economy or the rate of economic growth; and
3. The effects of current technology and scientific trends on industrial employment will continue.

Industry Projections

The starting point in the projections process was the assembly of 1998 industry employment, mostly by three-digit Standard Industrial Classification (SIC) code, for the state, eight metropolitan statistical areas (MSAs), and four non-MSA regions. The employment data came from the Quarterly Employment and Wages (ES0202) program. The Bureau of Economic Analysis (BEA) was the source for some agricultural employment and the Current Employment Statistics (CES) program was the source for railroad employment. The second step was to obtain growth rates for each three-digit SIC code for the period of 1998-2008 from the U.S. Department of Labor. These growth rates were applied to the appropriate industries for all of the substate areas. The resulting projections were reviewed by the economists and the supervisor of Labor Market and Demographic Analysis in the Economic Information Services Division of the Virginia Employment Commission. The state industry projections were then created from the substate projections.

Occupational Projections

The procedure for bridging the gap between industries and occupations uses the industry-occupational employment matrix. The matrix is a table showing the occupational pattern of each industry, i.e., the ratios of employment by occupation in that industry. The statewide industry-occupational matrix is based on the annual Occupational Employment Statistics (OES) employment survey. This survey draws a sample from one-third of the Virginia business establishments and covers almost all SIC codes. Over a three-year cycle, almost all of the nonagricultural economy is sampled. Estimates of occupations are made by size class within each three-digit industry level and then summed across size classes to yield an occupation-by-industry matrix. The industry-occupational employment matrix used to produce the occupational employment projections in this report was developed from the 1996, 1997, and 1998 OES surveys. Supplemental data for some industrial sectors including Agriculture, Forestry and Fishing (except SIC 07, Agricultural Services), Private Households, and the Federal Government were obtained from sources such as the Census Bureau and the Office of Personnel Management since those are not covered under the OES survey. Occupational ratios for each industry were applied to the base year and the projected year industry employment for the state and substate areas. The projected year matrix has been adjusted for occupational change over the projection period based on information received from the U.S. Bureau of Labor Statistics.

Job Openings Projections

Job openings result when new positions are created by industrial growth (expansion) or when existing positions are vacated because of the death, retirement, or separation from the labor force of incumbent employees (replacement). For the purposes of these data, vacancies created by promotion or transfer are not considered job openings since, overall, there is no aggregate change in job availability. Total job openings for the future equals the sum of expansion needs and replacement needs. Job Openings due to expansion are the annual average change in employment for the period. Openings due to replacement are based on separation rates by occupation which were derived from employment data gathered from the U.S. Department of Labor's Current Population Survey. The resulting separation rate for each occupation was then applied to the employment in the occupation for the base year to produce average annual separations. Statewide rates are used in estimating replacement needs for the substate areas.

Data Limitations

Every effort was made to ensure the reasonableness of the data. The best use of the projections will be as indicators of trends, rather than as absolute numbers.

This report makes no distinction between full-time and part-time jobs. Since these estimates are intended to count jobs rather than persons, the secondary jobs of multiple jobholders are included.

The accuracy of projections cannot exceed the accuracy of the input. The following assumptions were made:

1. That the base year industry employment is correct, i.e., industries are properly classified, counted in the correct geographic area, etc.
2. That the industry staffing patterns obtained by the OES survey are accurate, and that projected change factors are reasonable.
3. That the labor force separation rates used are accurate.
4. That the changes in occupational employment estimates for the projections period result mostly from changes in industrial employment.

TOTAL EMPLOYMENT BY INDUSTRY DIVISION AND MAJOR GROUP (2-DIGIT SIC)

Region 1 - Southwest VA 1998 - 2008

(SIC) INDUSTRY	EMPLOYMENT			PERCENT CHANGE	
	Estimated 1998	Projected 2008	Change	Total	Annual
Total All Industries	240,684	252,801	12,117	5.03%	0.49%
Agriculture, Forestry, & Fishing, Total	15,599	14,046	-1,553	-9.96%	-1.04%
(01) Agricultural Production, Crops	5,713	5,001	-712	-12.46%	-1.32%
(02) Agriculture Production, Livestock	8,812	7,714	-1,098	-12.46%	-1.32%
(07) Agricultural Services	965	1,240	275	28.50%	2.54%
(08) Forestry	D	D	D	D	D
(09) Fishing, Hunting, & Trapping	D	D	D	D	D
Mining, Total	7,125	4,852	-2,273	-31.90%	-3.77%
(10) Metal Mining	D	D	D	D	D
(12) Coal Mining	6,167	3,999	-2,168	-35.15%	-4.24%
(13) Oil & Gas Extraction	D	D	D	D	D
(14) Nonmetallic Minerals, Except Fuels	555	491	-64	-11.53%	-1.22%
Construction, Total	9,637	10,550	913	9.47%	0.91%
(15) General Building Contractors	2,646	2,879	233	8.81%	0.85%
(16) General Contractors, Exc Bldg	1,973	2,110	137	6.94%	0.67%
(17) Special Trade Contractors	5,018	5,561	543	10.82%	1.03%
Manufacturing, Total	67,629	60,554	-7,075	-10.46%	-1.10%
Durable Goods Manufacturing, Total	38,856	37,548	-1,308	-3.37%	-0.34%
(24) Lumber & Wood Products	7,580	7,519	-61	-0.80%	-0.08%
(25) Furniture & Fixtures	12,158	11,481	-677	-5.57%	-0.57%
(32) Stone, Clay, & Glass	2,209	2,183	-26	-1.18%	-0.12%
(33) Primary Metal Industries	1,198	1,177	-21	-1.75%	-0.18%
(34) Fabricated Metal Products	2,031	2,037	6	0.30%	0.03%
(35) Industrial Machinery & Equipment	3,089	3,125	36	1.17%	0.12%

D - Suppression of Industry Data to Prevent Disclosure of Confidential Data
SIC - Standard Industrial Classification

TOTAL EMPLOYMENT BY INDUSTRY DIVISION AND MAJOR GROUP (2-DIGIT SIC)

Region 1 - Southwest VA 1998 - 2008

(SIC) INDUSTRY	EMPLOYMENT			PERCENT CHANGE	
	Estimated 1998	Projected 2008	Change	Total	Annual
(36) Electronic & Other Electric Equipment	3,289	2,867	-422	-12.83%	-1.36%
(37) Transportation Equipment	5,855	5,784	-71	-1.21%	-0.12%
(38) Instruments & Related Products	D	D	D	D	D
(39) Misc Manufacturing Industries	D	D	D	D	D
Nondurable Goods Manufacturing, Total	28,773	23,006	-5,767	-20.04%	-2.21%
(20) Food & Kindred Products	597	563	-34	-5.70%	-0.58%
(21) Tobacco Products	0	0	0	0.00%	0.00%
(22) Textile Mill Products	13,932	10,026	-3,906	-28.04%	-3.24%
(23) Apparel & Other Textile Products	6,019	4,121	-1,898	-31.53%	-3.72%
(26) Paper & Allied Products	862	923	61	7.08%	0.69%
(27) Printing & Publishing	1,130	1,078	-52	-4.60%	-0.47%
(28) Chemicals & Allied Products	3,853	3,665	-188	-4.88%	-0.50%
(29) Petroleum & Coal Products	0	0	0	0.00%	0.00%
(30) Rubber & Misc Plastics Products	2,380	2,630	250	10.50%	1.00%
(31) Leather & Leather Products	0	0	0	0.00%	0.00%
Transportation & Public Utilities, Total	9,619	10,603	984	10.23%	0.98%
Transportation, Total	6,989	7,775	786	11.25%	1.07%
(40) Railroad Transportation	539	432	-107	-19.85%	-2.19%
(41) Local & Interurban Passenger Transit	569	792	223	39.19%	3.36%
(42) Trucking & Warehousing	4,265	4,767	502	11.77%	1.12%
(43) U.S. Postal Service	1,121	1,157	36	3.21%	0.32%
(44) Water Transportation	40	41	1	2.50%	0.25%
(45) Transportation by Air	152	180	28	18.42%	1.71%
(46) Pipelines, Except Natural Gas	0	0	0	0.00%	0.00%

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TOTAL EMPLOYMENT BY INDUSTRY DIVISION AND MAJOR GROUP (2-DIGIT SIC)

Region 1 - Southwest VA 1998 - 2008

(SIC) INDUSTRY	EMPLOYMENT			PERCENT CHANGE	
	Estimated 1998	Projected 2008	Change	Total	Annual
(47) Transportation Services	303	406	103	33.99%	2.97%
Communications & Utilities, Total	2,630	2,828	198	7.53%	0.73%
(48) Communications	1,380	1,649	269	19.49%	1.80%
(49) Electric, Gas, & Sanitary Services	1,250	1,179	-71	-5.68%	-0.58%
Wholesale & Retail Trade, Total	46,952	52,110	5,158	10.99%	1.05%
Wholesale Trade, Total	6,872	7,315	443	6.45%	0.63%
(50) Wholesale Trade, Durable Goods	3,782	4,004	222	5.87%	0.57%
(51) Wholesale Trade, Nondurable Goods	3,090	3,311	221	7.15%	0.69%
Retail Trade, Total	40,080	44,795	4,715	11.76%	1.12%
(52) Bldg. Materials & Garden Supplies	1,988	2,280	292	14.69%	1.38%
(53) General Merchandise Stores	5,566	5,843	277	4.98%	0.49%
(54) Food Stores	8,705	9,236	531	6.10%	0.59%
(55) Auto Dealers & Service Stations	5,423	6,023	600	11.06%	1.05%
(56) Apparel & Accessory Stores	1,077	1,061	-16	-1.49%	-0.15%
(57) Furniture & Homefurnishings Stores	1,215	1,463	248	20.41%	1.87%
(58) Eating & Drinking Places	12,474	14,598	2,124	17.03%	1.58%
(59) Miscellaneous Retail	3,632	4,291	659	18.14%	1.68%
Finance, Insurance, & Real Estate, Total	5,893	6,276	383	6.50%	0.63%
(60) Depository Institutions	3,167	3,212	45	1.42%	0.14%
(61) Nondepository Institutions	191	251	60	31.41%	2.77%
(62) Security & Commodity Brokers	98	135	37	37.76%	3.25%
(63) Insurance Carriers	207	227	20	9.66%	0.93%
(64) Insurance Agents, Brokers, & Service	732	809	77	10.52%	1.01%
(65) Real Estate	1,417	1,548	131	9.24%	0.89%

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TOTAL EMPLOYMENT BY INDUSTRY DIVISION AND MAJOR GROUP (2-DIGIT SIC)

Region 1 - Southwest VA 1998 - 2008

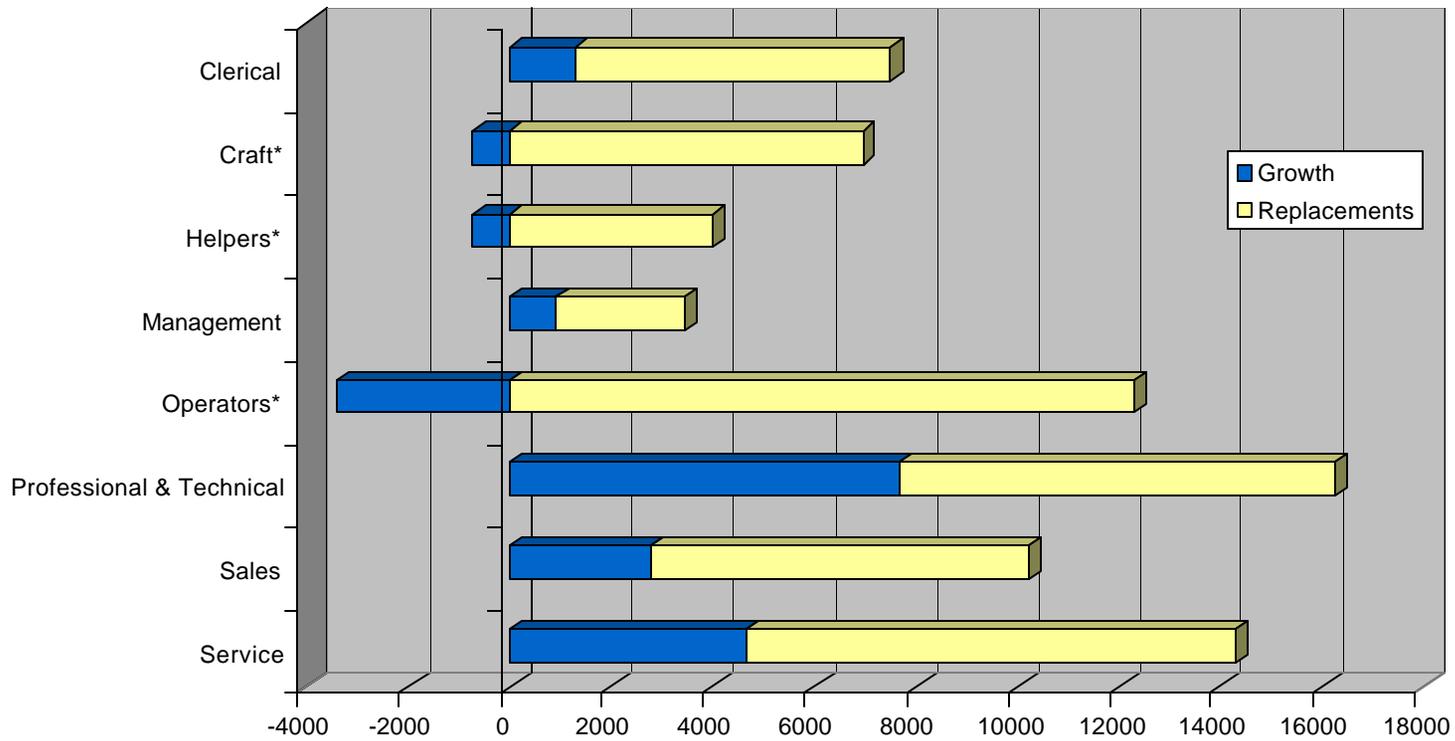
(SIC) INDUSTRY	EMPLOYMENT			PERCENT CHANGE	
	Estimated 1998	Projected 2008	Change	Total	Annual
(67) Holding & Other Investment Offices	81	94	13	16.05%	1.50%
Services, Total	63,233	77,199	13,966	22.09%	2.02%
(70) Hotels & Other Lodging Places	1,817	2,131	314	17.28%	1.61%
(72) Personal Services	1,826	2,003	177	9.69%	0.93%
(73) Business Services	5,234	7,770	2,536	48.45%	4.03%
(75) Auto Repair, Services & Parking	1,432	1,932	500	34.92%	3.04%
(76) Misc Repair Services	669	708	39	5.83%	0.57%
(78) Motion Pictures	423	455	32	7.57%	0.73%
(79) Amusement & Recreation Services	1,338	1,726	388	29.00%	2.58%
(80) Health Services (Inc Govt Hosp)	17,139	21,202	4,063	23.71%	2.15%
(81) Legal Services	972	1,199	227	23.35%	2.12%
(82) Educational Services (Inc Govt Educ)	25,903	29,866	3,963	15.30%	1.43%
(83) Social Services	2,712	3,810	1,098	40.49%	3.46%
(84) Museums, Botanical, Zoological Gardens	D	D	D	D	D
(86) Membership Organizations	730	792	62	8.49%	0.82%
(87) Engineering & Management Services	2,196	2,861	665	30.28%	2.68%
(88) Private Households	694	547	-147	-21.18%	-2.35%
(89) Services, NEC	D	D	D	D	D
Federal Government (Exc Post Office)	730	664	-66	-9.04%	-0.94%
State Government (Exc Educ & Hosp)	4,857	5,376	519	10.69%	1.02%
Local Government (Exc Educ & Hosp)	9,410	10,571	1,161	12.34%	1.17%

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 SIC - Standard Industrial Classification

Total Job Openings 1998 - 2008

By Major Occupational Group

Southwest, VA Region



* Decline

EMPLOYMENT AND TOTAL JOB OPENINGS BY MAJOR OCCUPATIONAL GROUP

Region 1 - Southwest VA 1998 - 2008

MAJOR OCCUPATIONAL GROUP	TOTAL OCCUPATIONAL EMPLOYMENT			TOTAL JOB OPENINGS 1998-2008		
	Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
Total, All Occupations	240,647	252,775	5.04%	57,650	12,128	69,750
Executive, Administrative & Managerial Occs	13,914	14,841	6.66%	2,530	927	3,470
Professional Specialty Occs	42,231	49,905	18.17%	8,570	7,674	16,230
Marketing & Sales Occupations	23,654	26,430	11.74%	7,450	2,776	10,230
Administrative Support Occs, Clerical	29,662	30,958	4.37%	6,210	1,296	7,490
Service Occupations	29,612	34,281	15.77%	9,630	4,669	14,310
Agriculture, Forestry, & Fishing Occupations	14,269	13,183	-7.61%	3,980	-1,086	3,980
Precision Production, Craft & Repair Occs	30,304	29,586	-2.37%	6,970	-718	6,970
Operators, Fabricators, & Laborers	57,001	53,591	-5.98%	12,310	-3,410	12,310

SPECIFIC OCCUPATIONS WITH THE LARGEST PERCENT INCREASE IN EMPLOYMENT (TOTAL GROWTH > 99)

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
1	Systems Analysts	503	893	77.53%	30	390	420
2	Computer Engineers	196	339	72.96%	10	143	150
3	Computer Support Specialists	438	706	61.19%	30	268	300
4	Medical Assistants	369	575	55.83%	90	206	300
5	Home Health Aides	657	1,003	52.66%	90	346	440
6	Personal & Home Care Aides	210	312	48.57%	50	102	150
7	Health Diagnostics Teachers, Pstscndry	313	449	43.45%	90	136	230
8	Dental Assistants	315	449	42.54%	50	134	180
9	Telemarketers, Door-To-Door Sales	322	448	39.13%	80	126	210
10	Teachers, Special Education	690	923	33.77%	60	233	290
11	Teacher Aides, Paraprofessional	1,083	1,448	33.70%	120	365	490
12	Correctional Officers	811	1,083	33.54%	220	272	490
13	Physicians	698	930	33.24%	110	232	340
14	Social Workers, Med & Psych	416	552	32.69%	50	136	190
15	Social/Human Service Assistants	452	597	32.08%	120	145	270
16	Social Workers, Ex Med, Psych	631	831	31.70%	80	200	280
17	Child Care Workers	480	630	31.25%	50	150	200
18	Police Patrol Officers	605	790	30.58%	160	185	350
19	Teacher Aides & Educational Assts	590	756	28.14%	70	166	240
20	Nursing Aides & Orderlies	2,372	3,026	27.57%	330	654	980
21	Teachers, Preschool, Educ Srvcs	455	577	26.81%	100	122	220
22	Teachers, Secondary School	2,718	3,338	22.81%	870	620	1,490
23	Adjustment Clerks	618	753	21.84%	40	135	180
24	Instructors & Coaches, Sports	516	622	20.54%	50	106	160
25	Receptionists & Information Clerks	1,711	2,062	20.51%	330	351	680

SPECIFIC OCCUPATIONS WITH THE LARGEST PERCENT INCREASE IN EMPLOYMENT (TOTAL GROWTH > 99)

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
26	Registered Nurses	3,324	3,960	19.13%	550	636	1,190
27	Counter & Rental Clerks	629	748	18.92%	270	119	390
28	Cooks, Restaurant	1,141	1,355	18.76%	300	214	510
29	Licensed Practical/Vocational Nurses	1,339	1,586	18.45%	290	247	540
30	Laborers, Landscapers, & Groundskprs	1,180	1,396	18.31%	350	216	570
31	Cooks, Fast Food	1,296	1,518	17.13%	340	222	560
32	Food Service & Lodging Mgrs	645	753	16.74%	110	108	220
33	Cashiers	7,287	8,465	16.17%	3,180	1,178	4,360
34	Truck Drivers, Light	1,973	2,288	15.97%	280	315	600
35	Waiters & Waitresses	2,975	3,441	15.66%	1,640	466	2,110
36	Education Administrators	870	982	12.87%	220	112	330
37	Maids & Housekeeping Cleaners	1,327	1,493	12.51%	250	166	420
38	Bus Drivers, School	1,099	1,232	12.10%	200	133	330
39	Teachers, Elementary	2,985	3,334	11.69%	690	349	1,040
40	Salespersons, Retail	6,485	7,236	11.58%	2,200	751	2,950
41	Automotive Mechanics	1,359	1,515	11.48%	340	156	500
42	Combined Food Prep & Serv Workers	2,390	2,652	10.96%	1,320	262	1,580
43	Food Preparation Workers	2,030	2,242	10.44%	1,120	212	1,330
44	Truck Drivers, Heavy	3,751	4,136	10.26%	540	385	930
45	General Office Clerks	4,524	4,962	9.68%	1,250	438	1,690
46	General Managers & Top Executives	5,545	5,958	7.45%	970	413	1,380
47	Hand Packers & Packagers	2,806	2,907	3.60%	690	101	790

SPECIFIC OCCUPATIONS WITH THE LARGEST PERCENT DECREASE IN EMPLOYMENT (TOTAL GROWTH < -24)

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
1	Roof Bolters, Mining	394	213	-45.94%	100	-181	100
2	Sewing Machine Oprs, Garment	4,828	2,957	-38.75%	660	-1,871	660
3	Pressers, Hand	69	43	-37.68%	20	-26	20
4	Shuttle Car Operators	267	173	-35.21%	60	-94	60
5	Loading Machine Operators, Mining	125	81	-35.20%	20	-44	20
6	Mining Engineers, Incl Safety	81	53	-34.57%	20	-28	20
7	Mine Machinery Mechanics	373	248	-33.51%	100	-125	100
8	Child Care Workers, Private	138	92	-33.33%	60	-46	60
9	Textile Machine Oprs/Tndrs	3,155	2,157	-31.63%	530	-998	530
10	Textile Draw-Out Machine Oprs/Tndrs	153	105	-31.37%	30	-48	30
11	Textile Machine Setters/Oprs	489	347	-29.04%	80	-142	80
12	Mining & Related Managers	147	105	-28.57%	30	-42	30
13	Farm & Home Management Advisors	105	75	-28.57%	10	-30	10
14	Pressing Machine Oprs/Tndrs, Textiles	418	299	-28.47%	70	-119	70
15	Production Inspectors, Graders	1,726	1,321	-23.46%	390	-405	390
16	Conveyor Operators/Tenders	180	138	-23.33%	40	-42	40
17	Textile Bleach & Dye Machine Oprs/Tndrs	446	343	-23.09%	70	-103	70
18	Drilling & Boring Machn Setters/Oprs, M/P	127	98	-22.83%	30	-29	30
19	Woodwrkng Machn Oprs/Tndrs, Ex Sawing	631	487	-22.82%	150	-144	150
20	Computer Operators, Ex Peripheral	227	177	-22.03%	30	-50	30
21	Machine Tool Cutting Oprs, M/P	280	220	-21.43%	70	-60	70
22	Woodworking Machn Setters, Ex Sawing	381	300	-21.26%	90	-81	90
23	Dyers, Precision	143	113	-20.98%	40	-30	40
24	Machinery Mechanics: Sewing	132	105	-20.45%	30	-27	30
25	Weighers, Measurers, Checkers	155	124	-20.00%	40	-31	40

SPECIFIC OCCUPATIONS WITH THE LARGEST PERCENT DECREASE IN EMPLOYMENT (TOTAL GROWTH < -24)

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
26	Cement & Gluing Machine Oprs/Tndrs	162	131	-19.14%	40	-31	40
27	Grader, Dozer & Scraper Operators	536	436	-18.66%	40	-100	40
28	Typists, Incl Word Processing	314	256	-18.47%	60	-58	60
29	Continuous Mining Machine Operators	312	259	-16.99%	80	-53	80
30	Chemical Techns/Technols, Ex Health	167	139	-16.77%	40	-28	40
31	Payroll & Timekeeping Clerks	328	273	-16.77%	70	-55	70
32	Inspectors, Testers, Graders, Precision	363	305	-15.98%	70	-58	70
33	Cabinetmakers & Bench Carpenters	922	779	-15.51%	110	-143	110
34	Supervisors, Farm Workers	239	202	-15.48%	20	-37	20
35	Machine Forming Operators, M/P	360	312	-13.33%	90	-48	90
36	Butchers & Meatcutters, Retail	239	208	-12.97%	60	-31	60
37	Sawing Machine Operators/Tenders	857	751	-12.37%	250	-106	250
38	Switchboard Operators	230	202	-12.17%	50	-28	50
39	Service Station Attendants	292	258	-11.64%	130	-34	130
40	Farm Equipment Operators	3,384	3,011	-11.02%	1,040	-373	1,040
41	Production, Planning & Expediting Clerks	455	405	-10.99%	50	-50	50
42	Cleaners & Servants, Private	296	264	-10.81%	60	-32	60
43	Packaging & Filling Machine Oprs/Tndrs	638	579	-9.25%	170	-59	170
44	First Line Supervisors: Productn/Operatg	2,138	1,957	-8.47%	600	-181	600
45	Electrical & Electronic Assemblers	468	431	-7.91%	80	-37	80
46	Drafters	363	336	-7.44%	90	-27	90
47	Bookkeeping, Accounting, Audit Clerks	2,490	2,315	-7.03%	460	-175	460
48	Industrial Production Managers	607	565	-6.92%	110	-42	110
49	Stock Clerks, Sales Floor	2,128	1,998	-6.11%	320	-130	320
50	Bank Tellers	1,024	963	-5.96%	440	-61	440

SPECIFIC OCCUPATIONS WITH THE LARGEST NUMBER OF TOTAL OPENINGS

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
1	Cashiers	7,287	8,465	16.17%	3,180	1,178	4,360
2	Salespersons, Retail	6,485	7,236	11.58%	2,200	751	2,950
3	Waiters & Waitresses	2,975	3,441	15.66%	1,640	466	2,110
4	General Office Clerks	4,524	4,962	9.68%	1,250	438	1,690
5	Combined Food Prep & Serv Workers	2,390	2,652	10.96%	1,320	262	1,580
6	Teachers, Secondary School	2,718	3,338	22.81%	870	620	1,490
7	General Managers & Top Executives	5,545	5,958	7.45%	970	413	1,380
8	Food Preparation Workers	2,030	2,242	10.44%	1,120	212	1,330
9	Registered Nurses	3,324	3,960	19.13%	550	636	1,190
10	Teachers, Elementary	2,985	3,334	11.69%	690	349	1,040
11	Farm Equipment Operators	3,384	3,011	-11.02%	1,040	-373	1,040
12	Nursing Aides & Orderlies	2,372	3,026	27.57%	330	654	980
13	Truck Drivers, Heavy	3,751	4,136	10.26%	540	385	930
14	Hand Packers & Packagers	2,806	2,907	3.60%	690	101	790
15	Receptionists & Information Clerks	1,711	2,062	20.51%	330	351	680
16	Sewing Machine Oprs, Garment	4,828	2,957	-38.75%	660	-1,871	660
17	Secretaries, Except Legal or Medical	3,857	3,730	-3.29%	630	-127	630
18	Janitors & Cleaners	2,517	2,589	2.86%	550	72	620
19	First Line Supervisors: Productn/Operatg	2,138	1,957	-8.47%	600	-181	600
20	Truck Drivers, Light	1,973	2,288	15.97%	280	315	600
21	Laborers, Landscapers, & Groundskprs	1,180	1,396	18.31%	350	216	570
22	Cooks, Fast Food	1,296	1,518	17.13%	340	222	560
23	Licensed Practical/Vocational Nurses	1,339	1,586	18.45%	290	247	540
24	Textile Machine Oprs/Tndrs	3,155	2,157	-31.63%	530	-998	530
25	Cooks, Restaurant	1,141	1,355	18.76%	300	214	510

SPECIFIC OCCUPATIONS WITH THE LARGEST NUMBER OF TOTAL OPENINGS

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
26	Automotive Mechanics	1,359	1,515	11.48%	340	156	500
27	Teacher Aides, Paraprofessional	1,083	1,448	33.70%	120	365	490
28	Correctional Officers	811	1,083	33.54%	220	272	490
29	Bookkeeping, Accounting, Audit Clerks	2,490	2,315	-7.03%	460	-175	460
30	Carpenters	1,501	1,550	3.26%	400	49	450
31	Bank Tellers	1,024	963	-5.96%	440	-61	440
32	Home Health Aides	657	1,003	52.66%	90	346	440
33	Systems Analysts	503	893	77.53%	30	390	420
34	Maids & Housekeeping Cleaners	1,327	1,493	12.51%	250	166	420
35	Maintenance Repairers, General Utility	1,881	1,861	-1.06%	420	-20	420
36	Sales Representatives, Mfg & Wholesale	1,462	1,503	2.80%	360	41	400
37	Counter & Rental Clerks	629	748	18.92%	270	119	390
38	Production Inspectors, Graders	1,726	1,321	-23.46%	390	-405	390
39	Police Patrol Officers	605	790	30.58%	160	185	350
40	Physicians	698	930	33.24%	110	232	340
41	Education Administrators	870	982	12.87%	220	112	330
42	First Line Supervisors: Mechanics & Rprs	954	1,001	4.93%	280	47	330
43	Bus Drivers, School	1,099	1,232	12.10%	200	133	330
44	Stock Clerks, Sales Floor	2,128	1,998	-6.11%	320	-130	320
45	Guards	881	974	10.56%	220	93	310
46	Computer Support Specialists	438	706	61.19%	30	268	300
47	Counter Attendants, Lunchroom	313	351	12.14%	260	38	300
48	Medical Assistants	369	575	55.83%	90	206	300
49	Teachers, Special Education	690	923	33.77%	60	233	290
50	First Line Supervisors: Constrctn, Extrctn	1,081	1,042	-3.61%	290	-39	290

SPECIFIC OCCUPATIONS WITH THE LARGEST NUMBER OF TOTAL OPENINGS -- DUE TO GROWTH

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
1	Cashiers	7,287	8,465	16.17%	3,180	1,178	4,360
2	Salespersons, Retail	6,485	7,236	11.58%	2,200	751	2,950
3	Nursing Aides & Orderlies	2,372	3,026	27.57%	330	654	980
4	Registered Nurses	3,324	3,960	19.13%	550	636	1,190
5	Teachers, Secondary School	2,718	3,338	22.81%	870	620	1,490
6	Waiters & Waitresses	2,975	3,441	15.66%	1,640	466	2,110
7	General Office Clerks	4,524	4,962	9.68%	1,250	438	1,690
8	General Managers & Top Executives	5,545	5,958	7.45%	970	413	1,380
9	Systems Analysts	503	893	77.53%	30	390	420
10	Truck Drivers, Heavy	3,751	4,136	10.26%	540	385	930
11	Teacher Aides, Paraprofessional	1,083	1,448	33.70%	120	365	490
12	Receptionists & Information Clerks	1,711	2,062	20.51%	330	351	680
13	Teachers, Elementary	2,985	3,334	11.69%	690	349	1,040
14	Home Health Aides	657	1,003	52.66%	90	346	440
15	Truck Drivers, Light	1,973	2,288	15.97%	280	315	600
16	Correctional Officers	811	1,083	33.54%	220	272	490
17	Computer Support Specialists	438	706	61.19%	30	268	300
18	Combined Food Prep & Serv Workers	2,390	2,652	10.96%	1,320	262	1,580
19	Licensed Practical/Vocational Nurses	1,339	1,586	18.45%	290	247	540
20	Teachers, Special Education	690	923	33.77%	60	233	290
21	Physicians	698	930	33.24%	110	232	340
22	Cooks, Fast Food	1,296	1,518	17.13%	340	222	560
23	Laborers, Landscapers, & Groundskpr	1,180	1,396	18.31%	350	216	570
24	Cooks, Restaurant	1,141	1,355	18.76%	300	214	510
25	Food Preparation Workers	2,030	2,242	10.44%	1,120	212	1,330

SPECIFIC OCCUPATIONS WITH THE LARGEST NUMBER OF TOTAL OPENINGS -- DUE TO GROWTH

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
26	Medical Assistants	369	575	55.83%	90	206	300
27	Social Workers, Ex Med, Psych	631	831	31.70%	80	200	280
28	Police Patrol Officers	605	790	30.58%	160	185	350
29	Teacher Aides & Educational Assts	590	756	28.14%	70	166	240
30	Maids & Housekeeping Cleaners	1,327	1,493	12.51%	250	166	420
31	Automotive Mechanics	1,359	1,515	11.48%	340	156	500
32	Child Care Workers	480	630	31.25%	50	150	200
33	Social/Human Service Assistants	452	597	32.08%	120	145	270
34	Computer Engineers	196	339	72.96%	10	143	150
35	Social Workers, Med & Psych	416	552	32.69%	50	136	190
36	Health Diagnostics Teachers, Pstscndry	313	449	43.45%	90	136	230
37	Adjustment Clerks	618	753	21.84%	40	135	180
38	Dental Assistants	315	449	42.54%	50	134	180
39	Bus Drivers, School	1,099	1,232	12.10%	200	133	330
40	Telemarketers, Door-To-Door Sales	322	448	39.13%	80	126	210
41	Teachers, Preschool, Educ Srvcs	455	577	26.81%	100	122	220
42	Counter & Rental Clerks	629	748	18.92%	270	119	390
43	Education Administrators	870	982	12.87%	220	112	330
44	Food Service & Lodging Mgrs	645	753	16.74%	110	108	220
45	Instructors & Coaches, Sports	516	622	20.54%	50	106	160
46	Personal & Home Care Aides	210	312	48.57%	50	102	150
47	Hand Packers & Packagers	2,806	2,907	3.60%	690	101	790
48	Guards	881	974	10.56%	220	93	310
49	Lawyers	444	536	20.72%	50	92	140
50	Medical & Health Service Mgrs	261	342	31.03%	50	81	130

SPECIFIC OCCUPATIONS WITH THE LARGEST NUMBER OF TOTAL OPENINGS -- DUE TO REPLACEMENTS

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
1	Cashiers	7,287	8,465	16.17%	3,180	1,178	4,360
2	Salespersons, Retail	6,485	7,236	11.58%	2,200	751	2,950
3	Waiters & Waitresses	2,975	3,441	15.66%	1,640	466	2,110
4	Combined Food Prep & Serv Workers	2,390	2,652	10.96%	1,320	262	1,580
5	General Office Clerks	4,524	4,962	9.68%	1,250	438	1,690
6	Food Preparation Workers	2,030	2,242	10.44%	1,120	212	1,330
7	Farm Equipment Operators	3,384	3,011	-11.02%	1,040	-373	1,040
8	General Managers & Top Executives	5,545	5,958	7.45%	970	413	1,380
9	Teachers, Secondary School	2,718	3,338	22.81%	870	620	1,490
10	Teachers, Elementary	2,985	3,334	11.69%	690	349	1,040
11	Hand Packers & Packagers	2,806	2,907	3.60%	690	101	790
12	Sewing Machine Oprs, Garment	4,828	2,957	-38.75%	660	-1,871	660
13	Secretaries, Except Legal or Medical	3,857	3,730	-3.29%	630	-127	630
14	First Line Supervisors: Productn/Operatg	2,138	1,957	-8.47%	600	-181	600
15	Registered Nurses	3,324	3,960	19.13%	550	636	1,190
16	Janitors & Cleaners	2,517	2,589	2.86%	550	72	620
17	Truck Drivers, Heavy	3,751	4,136	10.26%	540	385	930
18	Textile Machine Oprs/Tndrs	3,155	2,157	-31.63%	530	-998	530
19	Bookkeeping, Accounting, Audit Clerks	2,490	2,315	-7.03%	460	-175	460
20	Bank Tellers	1,024	963	-5.96%	440	-61	440
21	Maintenance Repairers, General Utility	1,881	1,861	-1.06%	420	-20	420
22	Carpenters	1,501	1,550	3.26%	400	49	450
23	Production Inspectors, Graders	1,726	1,321	-23.46%	390	-405	390
24	Sales Representatives, Mfg & Wholesale	1,462	1,503	2.80%	360	41	400
25	Laborers, Landscapers, & Groundskprs	1,180	1,396	18.31%	350	216	570

SPECIFIC OCCUPATIONS WITH THE LARGEST NUMBER OF TOTAL OPENINGS -- DUE TO REPLACEMENTS

Region 1 - Southwest VA 1998 - 2008

RANK	OCCUPATIONAL TITLE	EMPLOYMENT			OPENINGS		
		Estimated 1998	Projected 2008	% Change	Replacements	Growth	Total
26	Cooks, Fast Food	1,296	1,518	17.13%	340	222	560
27	Automotive Mechanics	1,359	1,515	11.48%	340	156	500
28	Receptionists & Information Clerks	1,711	2,062	20.51%	330	351	680
29	Nursing Aides & Orderlies	2,372	3,026	27.57%	330	654	980
30	Stock Clerks, Sales Floor	2,128	1,998	-6.11%	320	-130	320
31	Cooks, Restaurant	1,141	1,355	18.76%	300	214	510
32	Licensed Practical/Vocational Nurses	1,339	1,586	18.45%	290	247	540
33	First Line Supervisors: Constrctn, Extrctn	1,081	1,042	-3.61%	290	-39	290
34	First Line Supervisors: Mechanics & Rprs	954	1,001	4.93%	280	47	330
35	Truck Drivers, Light	1,973	2,288	15.97%	280	315	600
36	Counter & Rental Clerks	629	748	18.92%	270	119	390
37	Traffic, Shipping & Receiving Clerks	1,622	1,534	-5.43%	270	-88	270
38	Counter Attendants, Lunchroom	313	351	12.14%	260	38	300
39	Maids & Housekeeping Cleaners	1,327	1,493	12.51%	250	166	420
40	Sawing Machine Operators/Tenders	857	751	-12.37%	250	-106	250
41	Farm Managers	1,456	1,423	-2.27%	240	-33	240
42	Education Administrators	870	982	12.87%	220	112	330
43	Correctional Officers	811	1,083	33.54%	220	272	490
44	Guards	881	974	10.56%	220	93	310
45	Stock Clerks:Stockroom/Warehouse/Yard	1,330	1,384	4.06%	200	54	250
46	Upholsterers	990	1,024	3.43%	200	34	230
47	Bus Drivers, School	1,099	1,232	12.10%	200	133	330
48	Sewing Machine Oprs, Non-Garment	1,361	1,436	5.51%	190	75	270
49	Welders & Cutters	742	737	-0.67%	190	-5	190
50	Dining Room & Cafeteria Helpers	600	625	4.17%	180	25	210

ALPHABETICAL INDEX OF OCCUPATIONS

To Be Used in Locating Individual Occupations in the Employment and Openings Table

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE
32	Accountants & Auditors	587	Blasters & Explosive Workers	415	Combined Food Prep & Serv Workers
27	Accountants, Auditors, Financial Specialists	720	Boiler Operators & Tenders, Low Pressure	353	Communication Equip Oprs, Mail Wrkrs
133	Adjudicators, Hearing Officers	340	Bookkeeping, Accounting, Audit Clerks	18	Communication/Transportation/Utilities Mgrs
296	Adjustment Clerks	556	Brick Masons	510	Communications Equipment Mechanics
8	Administrative Services Mgrs	244	Broadcast & Sound Technicians	516	Communications Equipmt Mechns, NEC
3	Administrative Specialty Mgrs	298	Brokerage Clerks	152	Communications Teachers, Pstscndry
285	Administrative Support Occs, Clerical	33	Budget Analysts	99	Computer & Math Occupations
286	Administrative Support Supervisors	780	Bus Drivers, School	61	Computer Engineers
54	Aerospace Engineers	779	Bus Drivers, Transit/Intercity	348	Computer Operators, Ex Peripheral
449	Agriculture, Forestry, & Fishing Occupations	504	Bus, Truck, Diesel Engine Mechanics	105	Computer Programmer Aides
474	Agriculture, Forestry, Fishing Wkrs, NEC	167	Business Teachers, Postsecondary	104	Computer Programmers
508	Aircraft Mechanics	409	Butchers & Meatcutters, Retail	159	Computer Science Teachers, Pstscndry
425	Ambulance Drivers & Attendants, Ex EMT	607	Cabinetmakers & Bench Carpenters	107	Computer Scientists, NEC
438	Amusement & Recreation Attendants	229	Cardiology Technols/Techns	103	Computer Support Specialists
466	Animal Caretakers, Ex Farm	549	Carpenters	100	Computer Systems Anlsts/Engnrs/Scientists
241	Announcers, Radio & TV	281	Cashiers	108	Computer/Math Scientists & Rsrch Anlsts
160	Anthropology/Sociology Tchrs, Pstscndry	730	Cement & Gluing Machine Oprs/Tndrs	559	Concrete Fnshr/Cement Msn/Terrazzo Wkr
67	Architects & Surveyors	511	Central Office & PBX Installers, Rprs	592	Construction & Extractive Workers, NEC
68	Architects, Ex Landscape & Naval	57	Chemical Engineers	482	Construction & Rltd Supervisors, NEC
157	Architecture Teachers, Postsecondary	723	Chemical Equipment Controllers/Oprs	16	Construction Managers
155	Art, Drama & Music Teachers, Pstscndry	724	Chemical Equipment Tenders	547	Construction Trades & Extractive Occs
246	Artists & Commercial Artists	768	Chemical Plant & System Oprs	824	Construction Trades Helpers, NEC
764	Assemblers & Fabricators, NEC	96	Chemical Techns/Technols, Ex Health	548	Construction Trades Workers
740	Assemblers, Precision	147	Chemistry Teachers, Postsecondary	584	Construction Trades Workers, NEC
49	Assessors	84	Chemists	46	Construction, Bldg Inspectors
254	Athletes, Coaches, Umpires	446	Child Care Workers	589	Continuous Mining Machine Operators
189	Audio-Visual Specialists	386	Child Care Workers, Private	810	Conveyor Operators/Tenders
502	Automotive Body Repairers	73	Civil Engineering Techns/Technols	412	Cooks, Fast Food
501	Automotive Mechanics	59	Civil Engineers, Incl Traffic	411	Cooks, Institution or Cafeteria
441	Baggage Porters & Bellhops	387	Cleaners & Servants, Private	410	Cooks, Restaurant
408	Bakers, Bread & Pastry	833	Cleaners of Vechicles/Equipment	413	Cooks, Short Order
289	Bank Tellers	428	Cleaning & Building Service Occupations	392	Correctional Officers
288	Bank, Security, Finance, Credit Workers	432	Cleaning/Bldg Serv Wrks, NEC	44	Cost Estimators
434	Barbers	731	Cleaning/Washing/Pickling Eqp Oprs/Tndrs	191	Counselors, Vocational Education
403	Bartenders	376	Clerical Occupations, NEC	279	Counter & Rental Clerks
308	Bill & Account Collectors	729	Coat/Paint/Spray Machine Oprs/Tndrs	407	Counter Attendants, Lunchroom
342	Billing, Cost & Rate Clerks	728	Coat/Paint/Spray Machine Setters/Oprs	310	Court Clerks
345	Billing, Posting & Calculating Machn Oprs	749	Coil Winders, Tapers & Finishers	309	Court, Municipal, License Clerks
699	Bindery Machine Operators	142	College & University Faculty	808	Crane & Tower Operators
91	Biological Scientists	661	Combination Machine Tool Setters, M/P	29	Credit Analysts
95	Biological, Agriculture & Food Techns	662	Combination Machn Tool Oprs/Tndrs, M/P	294	Credit Checkers

ALPHABETICAL INDEX OF OCCUPATIONS

To Be Used in Locating Individual Occupations in the Employment and Openings Table

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE
169	Criminal Justice/Law Enfrcmnt Tchrs, Pstsc	74	Electrical & Electronic Techns/Technols	113	Financial Analysts, Statistical
398	Crossing Guards	60	Electrical & Electronics Engineers	4	Financial Managers
733	Crushing/Grinding/Mixg Machn Oprs/Tndrs	554	Electrical Workers	34	Financial Specialists, NEC
612	Custom Tailors & Sewers	744	Electrical/Electronic Equip Assmblrs, Prec	389	Fire Fighters
339	Customer Service Representatives	675	Electrolytic Plate/Coat Machn Oprs, M/P	379	Fire Fighting & Prevention Supervisors
755	Cutters & Trimmers, Hand	674	Electrolytic Plate/Coat Machn Sttrs/Oprs, M/P	452	First Line Supervisors: Ag, Forest, Fish
726	Cutting & Slicing Machine Oprs/Tndrs	743	Electromechanical Equipment Assmblrs	478	First Line Supervisors: Constrctn, Extrctn
725	Cutting & Slicing Machine Setters/Oprs	532	Electromedical & Biomedical Equip Rprs	481	First Line Supervisors: Helpers, Laborers
351	Data Entry Keyers, Composing	344	Electronic Data Procsgng & Offc Machn Wkrs	477	First Line Supervisors: Mechanics & Rprs
350	Data Entry Keyers, Ex Composing	712	Electronic Semiconductor Processors	479	First Line Supervisors: Productn/Operatg
519	Data Processing Equipment Repairers	523	Electronics Rprs, Commrc'l & Indstrl Eqp	480	First Line Supervisors: Transportation
102	Database Administrators	538	Elevator Installers & Repairers	567	Floor Related Workers
283	Demonstrators/Product Promoters	259	Embalmers	401	Food & Beverage Preparation
418	Dental Assistants	213	Emergency Medical Techns & Paramedics	416	Food Prep & Service Workers, NEC
223	Dental Hygienists	41	Employment Interviewers	414	Food Preparation Workers
197	Dentists	156	Engineering Teachers, Postsecondary	405	Food Servers
247	Designers, Ex Interior Designers	72	Engineering Techns/Technols	19	Food Service & Lodging Mgrs
623	Desktop Publishing Specialists	80	Engineering Techns/Technols, NEC	630	Food Workers, Precision
219	Dietetic Technicians	9	Engineering/Math/Computer/Ntrl Sci Mgrs	154	Foreign Lang/Lit Teachers, Pstscndry
218	Dietitians & Nutritionists	53	Engineers	462	Forest & Conservation Workers
406	Dining Room & Cafeteria Helpers	52	Engineers & Related Occupations	454	Forest & Logging Occupations
366	Dispatchers, Ex Police, Fire & Ambulance	66	Engineers, NEC	89	Foresters, Conservation Scientists
365	Dispatchers: Police, Fire, & Ambulance	153	English Lang/Lit Teachers, Pstscndry	657	Forging Machine Setters/Oprs, M/P
77	Drafters	762	Engraving & Printing Wkrs, Hand	636	Foundry Mold & Core Makers
647	Drilling & Boring Machn Setters/Oprs, M/P	803	Excavation & Loading Machine Operators	673	Foundry Mold Assembly & Shakeout Wkrs
782	Drivers & Sales Workers	2	Executive, Administrative & Managerial Occs	827	Freight, Stock & Material Movers, Hand
551	Drywall Installers	591	Extraction Workers, Ex Helpers, NEC	830	Freight, Stock & Mtrl Mvrs, Hand, NEC
346	Duplicating Machine Operators	585	Extractive & Related Workers	447	Funeral Attendants
617	Dyers, Precision	735	Extrud/Form/Press Machine Oprs/Tndrs	258	Funeral Directors & Morticians
586	Earth Drillers, Ex Oil & Gas	734	Extrud/Form/Press Machine Setters/Oprs	677	Furnace Operators & Tenders
162	Economics Teachers, Postsecondary	655	Extruding & Drawing Setters/Oprs, M/P	719	Furnace, Kiln, Oven, Drier or Kettle Oprs
117	Economists	704	Extruding & Forming Machine Oprs/Tndrs	608	Furniture Finishers
12	Education Administrators	455	Fallers & Buckers	461	Gardening, Nursery, Lawn Occs
170	Education Teachers, Postsecondary	451	Farm Managers	23	General Managers & Top Executives
521	Elec Home Appliance & Power Tool Rprs	184	Farm & Home Management Advisors	323	General Office & Secretarial Workers
520	Elec Home Entertainment Equip Rprs	507	Farm Equipment Mechanics	343	General Office Clerks
528	Electric & Electronic Equip Mechs, NEC	467	Farm Equipment Operators	328	General Office Occupations
517	Electric & Electronic Equipment Mechanics	459	Farm Occupations	86	Geologists, Geophysicists, Oceanogrphrs
522	Electric Motor, Transformer Repairers	450	Farm Operators & Managers	581	Glaziers
525	Electric Powerline Intallers & Repairers	473	Farm Workers, Farm & Ranch Animals	750	Glaziers, Manufacturing
748	Electrical & Electronic Assemblers	334	File Clerks	22	Government Chief Executives & Legislators

ALPHABETICAL INDEX OF OCCUPATIONS

To Be Used in Locating Individual Occupations in the Employment and Openings Table

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE
806	Grader, Dozer & Scraper Operators	5	Human Resources Managers	188	Library Technicians
464	Graders & Sorters, Ag Products	75	Industrial Engineering Techns/Technols	312	License Clerks
145	Graduate Assistants, Teaching	62	Industrial Engineers, Ex Safety	212	Licensed Practical/Vocational Nurses
763	Grinders & Polishers, Hand	490	Industrial Machinery Mechanics	146	Life Sciences Teachers, Postsecondary
649	Grinding Mach Setters/Oprs, M/P	15	Industrial Production Managers	88	Life Scientists
399	Guards	809	Industrial Truck & Tractor Operators	93	Life Scientists, NEC
435	Hairdressers & Hairstylists	287	Industry Specific Support Occs	10	Line & Middle Management
815	Hand Labor & Material Moving Helpers	317	Industry Specific Workers, NEC	804	Loading Machine Operators, Mining
832	Hand Packers & Packagers	483	Inspectors	295	Loan & Credit Clerks
765	Hand Workers, NEC	47	Inspectors & Compliance Officers	30	Loan Officers & Counselors
739	Handworking Occupations, Incl Assemblers	484	Inspectors, Testers, Graders, Precision	535	Locksmiths & Safe Repairers
578	Hazardous Materials Removal Wkrs	487	Inspectors, Testers, NEC	786	Locomotive Engineers
683	Head Sawyer	381	Institutional Cleaning Supervisors	313	Lodging & Travel Workers
210	Health Assessment & Treatment Occptns	192	Instructional Coordinators	463	Log Graders & Scalers
195	Health Diagnosing Occs	183	Instructors & Coaches, Sports	456	Log Handling Equipment Operators
150	Health Diagnostics Teachers, Pstscndry	182	Instructors, Adult (Non-VocEd)	457	Logging Tractor Operators
194	Health Practitioners/Techns/Technols	577	Insulation Workers	747	Machine Assemblers
234	Health Prof, Paraprof, & Techns, NEC	300	Insurance Adjusters/Examiners/Invstgtrs	741	Machine Builder Assemblers, Precision
417	Health Service Occupations	303	Insurance Claims Clerks	651	Machine Cut/Form Setters/Oprs, M/P
427	Health Service Workers, NEC	304	Insurance Policy Processing Clerks	826	Machine Feeders & Offbearers
151	Health Specialties Teachers, Pstscndry	264	Insurance Sales Workers	658	Machine Forming Operators, M/P
220	Health Technicians & Technologists	248	Interior Designers	738	Machine Operators/Tenders, NEC
676	Heat Treating Machine Oprs/Tndrs	338	Interview Clerks, Except Personnel	643	Machine Setters, Set-Up Opr/Tndrs
530	Heat, A/C, Refrig Mechanics	305	Investigative & Related Workers	737	Machine Setters/Setup Oprs, NEC
834	Helpers, Laborers & Movers, NEC	430	Janitors & Cleaners	650	Machine Tool Cutting Oprs, M/P
818	Helpers: Brick & Stone Masons	470	Laborers, Landscapers, & Groundskprs	498	Machinery Maintenance Workers
819	Helpers: Carpenters & Related	646	Lathe & Turning Machn Setters/Oprs, M/P	496	Machinery Mechanics, NEC
817	Helpers: Construction Trades	709	Laundry & Drycleaning Machine Oprs	492	Machinery Mechanics: Sewing
820	Helpers: Electricians & Related	131	Law & Related Occupations	491	Machinery Mechanics: Textile
825	Helpers: Extractive Workers	136	Law Clerks	495	Machinery Mechanics: Water & Power
816	Helpers: Mechanics & Repairers	168	Law Teachers, Postsecondary	489	Machinery: Mechanic, Installer, Repairer
821	Helpers: Painters & Paperhangers	20	Lawn Service Managers	596	Machinists
822	Helpers: Plumbers & Related	134	Lawyers	429	Maids & Housekeeping Cleaners
823	Helpers: Roofers	132	Lawyers & Judicial Workers	359	Mail & Message Distribution Workers
574	Highway Maintenance Workers	143	Lecturers	360	Mail Clerks, Ex Mail Machine
163	History Teachers, Postsecondary	135	Legal Assistants & Technicians	499	Maintenance Repairers, General Utility
421	Home Health Aides	140	Legal Assistants, NEC	45	Management Analysts
402	Hosts & Hostesses:Restaurant, Lounge	325	Legal Secretaries	26	Management Support Occs
316	Hotel/Motel/Resort Desk Clerks	187	Librarians	51	Management Support Workers, NEC
42	Human Res, Training, Labor Rltns Specs	186	Librarians, Archivists, Curators	24	Managers & Administrators, NEC
332	Human Resources Clerks, Ex Payroll/Time	318	Library Assistants & Bookmobile Drivers	436	Manicurists

ALPHABETICAL INDEX OF OCCUPATIONS

To Be Used in Locating Individual Occupations in the Employment and Openings Table

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE
261	Marketing & Sales Occupations	590	Mining Machine Operators, NEC	761	Painting, Coating & Decoratg Wkrs, Hand
262	Marketing & Sales Supervisors	505	Mobile Heavy Equipment Mechanics	716	Paper Goods Machine Setters/Oprs
263	Marketing & Sales, Service	540	Mobile Home Repairers	137	Paralegals & Legal Assistants
7	Marketing, Advertising, Public Rltns Mgrs	760	Molders & Casters, Hand	172	Parks/Rec/Leisure/Fitns Stds Teachers
371	Marking Clerks	637	Molders & Shapers, Ex Jewelry/Foundry	605	Pattern & Model Makers, Wood
555	Masonry Workers	776	Motor Vehicle Operators	611	Patternmakers & Layout Wkrs, Fbrc/Aprl
801	Material Moving Equipment Operators	783	Motor Vehicle Operators, NEC	573	Paving, Surfacing, & Tamping Operators
813	Material Moving Equipment Oprs, NEC	81	Natural Scientists & Related Occs	341	Payroll & Timekeeping Clerks
364	Material Recordg/Schedulg/Distributg Occs	290	New Accounts Clerks, Banking	349	Peripheral EDP Equipment Operators
375	Material Recording Workers, NEC	659	Numerical & Combination Machn Sttrs/Oprs	445	Personal & Home Care Aides
158	Math & Science Teachers, Pstscndry	660	Numerical Control Machn Operators, M/P	39	Personnel Specialists, Related
110	Mathematical Scientists	420	Nursing Aides & Orderlies	431	Pest Controllers & Assistants
758	Meat, Poultry & Fish Cutters, Hand	144	Nursing Instructors	216	Pharmacists
537	Mechanical Control Installers & Repairers	205	Occupational Therapists	426	Pharmacy Assistants
76	Mechanical Engineering Techns/Technols	424	Occupational Therapy Assistants	217	Pharmacy Technicians
64	Mechanical Engineers	536	Office Machine & Cash Register Servicers	171	Philosphy/Religion Teachers, Pstscndry
488	Mechanics, Installers, & Repairers	352	Office Machine Operators, NEC	242	Photographers
546	Mechanics, Installers, & Repairers, NEC	689	Offset Lithographic Press Oprs	98	Physical & Life Science Tchns/Tchnls, NEC
222	Medical & Clinical Lab Technicians	812	Operating Engineers	94	Physical & Life Science Techns/Technols
221	Medical & Clinical Lab Technologists	109	Operations Research Analysts	149	Physical Science Teachers, Pstscndry, NEC
13	Medical & Health Service Mgrs	642	Operators, Fabricators, & Laborers	82	Physical Scientists
419	Medical Assistants	215	Opticians, Dispensing & Measuring	87	Physical Scientists, NEC
224	Medical Records & Health Info Techns	198	Optometrists	206	Physical Therapists
326	Medical Secretaries	335	Order Clerks: Materials, Service	423	Physical, Corrective Therapy Assistants
545	Menders, Garments & Linens	373	Order Fillers, Wholesale/Retail	214	Physician Assistants
249	Merchandise Displayers & Windw Drssrs	460	Other Agriculture & Forestry Occupations	196	Physicians
363	Messengers	576	Other Construction Trades Workerrs	148	Physics Teachers, Postsecondary
680	Metal & Plastic Oprs/Tndrs, NEC	746	Other Hand Workers & Assemblers	796	Pilot, Flight Engineer Occs
668	Metal & Plastic Process Machine Sttrs/Oprs	831	Other Helpers, Laborers & Movers	566	Pipelayers
679	Metal & Plastic Setters/Oprs, NEC	711	Other Machine Setters/Oprs,Tndrs	766	Plant & System Occupations
663	Metal Fabricating Machn Setters/Oprs, M/P	43	Other Management Support Workers	774	Plant & System Oprs, NEC
667	Metal Fabricators, Structural Metal	21	Other Managers & Administrators	561	Plasterers & Stucco Masons
672	Metal Mold/Core/Cast Machine Oprs/Tndrs	529	Other Mechanics, Installers & Repairers	670	Plastic Molding/Casting Machn Oprs/Tndrs
671	Metal Mold/Core/Cast Machine Sttrs/Oprs	678	Other Metal & Plastic Setters/Oprs/Tndrs	669	Plastic Molding/Casting Machn Sttrs/Oprs
594	Metal Workers, Precision	635	Other Precision Workers	563	Plumbers & Related Workers
369	Meter Readers, Utilities	255	Other Prof, Paraprof, Techns	564	Plumbers, Pipefitters, & Steamfitters
648	Milling Machine Setters/Oprs, M/P	273	Other Sales Workers	380	Police & Detective Supervisors
497	Millwrights	797	Other Transportation Workers	390	Police Detectives
494	Mine Machinery Mechanics	736	Packaging & Filling Machine Oprs/Tndrs	391	Police Patrol Officers
17	Mining & Related Managers	562	Painters, Paperhangers & Related Workers	164	Political Science Teachers, Postsecondary
56	Mining Engineers, Incl Safety	727	Painters, Transportation Equipment	756	Portable Machine Cutters

ALPHABETICAL INDEX OF OCCUPATIONS

To Be Used in Locating Individual Occupations in the Employment and Openings Table

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE
361	Postal Mail Carriers	37	Purchasing Agts & Buyers, Farm	268	Securities/Commodities/Financial Svcs, Sls
362	Postal Service Clerks	38	Purchasing Agts, Ex Who/Ret/Farm	299	Selected Insurance Workers
11	Postmasters, Mail Superintendents	6	Purchasing Managers	644	Selected Machn Sttrs, Set-Up Oprs/Tndrs
174	Postsecondary Teachers, NEC	227	Radiologic Technologists & Technicians	433	Selected Personal Service Occs
770	Power Generating Plant Oprs	506	Rail Car Repairers	732	Separating & Still Machn Sttrs/Oprs/Tndrs
745	Precision Assemblers, Metral, NEC	784	Rail Transportation Workers	377	Service Occupations
531	Precision Instrument Repairers	575	Rail-Track Laying & Maint Equip Oprs	448	Service Occupations, NEC
603	Precision Metal Workers, NEC	789	Railroad Brake, Signal & Switch Oprs	798	Service Station Attendants
593	Precision Production Occupations	785	Railroad Conductors & Yardmasters	382	Service Supervisors, NEC
475	Precision Production, Craft & Repair Occs	322	Real Estate Clerks	378	Service Workers Supervisors
618	Precision Textile Workers, NEC	330	Receptionists & Information Clerks	754	Sewers, Hand
609	Precision Woodworkers, NEC	126	Recreation Workers	707	Sewing Machine Oprs, Garment
641	Precision Workers, NEC	208	Recreational Therapists	708	Sewing Machine Oprs, Non-Garment
653	Press Machine Setters/Oprs, M/P	829	Refuse/Recyclable Material Collectors	437	Shampooers
616	Pressers, Delicate Fabric	211	Registered Nurses	654	Shear Machine Setters/Oprs, M/P
753	Pressers, Hand	127	Religious Workers	579	Sheet Metal Duct Installers
710	Pressing Machine Oprs/Tndrs, Textiles	239	Reporters & Correspondents	601	Sheet Metal Workers
688	Print Press Machine Setters	315	Reservation & Transportation Tckt Agnts	395	Sheriffs & Deputy Sheriffs
697	Printing Press Machine Oprs/Tndrs	124	Residential Counselors	805	Shuttle Car Operators
619	Printing Workers, Precision	204	Respiratory Therapists	631	Slaughterers & Meat Packers
687	Printing, Binding, & Related Occs	571	Road, Rail, Construction & Maintenance	509	Small Engine Specialists
700	Printing, Binding, & Related Workers, NEC	656	Rolling Machine Setters/Oprs, M/P	121	Social & Recreation Wkrs
383	Private Household Workers	588	Roof Bolters, Mining	166	Social Sciences, Teachers, Pstscndry, NEC
336	Procurement Clerks	580	Roofers	116	Social Scientists
253	Producers, Directors, Actors	63	Safety Engineers, Ex Mining	120	Social Scientists, NEC
485	Production Inspectors, Graders	284	Sales & Related Workers, NEC	115	Social Scientists, Recreation & Relig Occs
367	Production, Planning & Expediting Clerks	271	Sales Agents, Advertising	123	Social Workers, Ex Med, Psych
476	Production/Construction/Maintenance Sprvs	269	Sales Agents, Business	122	Social Workers, Med & Psych
260	Prof, Paraprof, Techns, NEC	266	Sales Agents, Real Estate	125	Social/Human Service Assistants
25	Professional Specialty Occs	274	Sales Engineers	752	Solderers & Brazers
14	Property & Real Estate Mgrs	276	Sales Representatives, Mfg & Wholesale	692	Specialty Material Printing Machine Sttrs
388	Protective Service Occupations	275	Sales Representatives, Science	207	Speech Pathologists, Audiologists
400	Protective Service Workers, NEC	272	Sales Reprs, Services, NEC	615	Spotters, Dry Cleaning
468	Pruners	278	Salespersons, Parts	773	Stationary Engineers
422	Psychiatric Aides	277	Salespersons, Retail	337	Statistical Clerks
232	Psychiatric Technicians	684	Sawing Machine Operators/Tenders	329	Stenographers
165	Psycholgy Teachers, Postsecondary	682	Sawing Machine Setters/Set-Up Oprs	280	Stock Clerks, Sales Floor
119	Psychologists	645	Sawing Machine Tool Setters/Oprs, M/P	372	Stock Clerks:Stockroom/Warehouse/Yard
238	Public Relations Specialists	693	Screen Printing Machine Setters/Oprs	557	Stone Masons
652	Punching Machine Setters/Oprs, M/P	327	Secretaries, Except Legal or Medical	582	Structural Metal Workers
35	Purchasing Agents & Buyers	324	Secretaries, Total	453	Supervisors, Farm Workers

ALPHABETICAL INDEX OF OCCUPATIONS

To Be Used in Locating Individual Occupations in the Employment and Openings Table

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE	LINE	OCCUPATIONAL TITLE
231	Surgical Technologists	701	Textile & Related Setters/Oprs/Wkrs	613	Upholsterers
79	Surveying & Mapping Techns	706	Textile Bleach & Dye Machine Oprs/Tndrs	118	Urban & Regional Planners
71	Surveyors, Cartogrphrs & Photogramtrsts	705	Textile Draw -Out Machine Oprs/Tndrs	440	Ushers, Lobby Attendants, & Ticket Tkrs
355	Switchboard Operators	703	Textile Machine Oprs/Tndrs	500	Vehicle & Mobile Equipment Mechanics
101	Systems Analysts	702	Textile Machine Setters/Oprs	201	Veterinarians & Vet Inspectors
48	Tax Examiners, Collectors, Revenue Agts	610	Textile, Apparel, Furnish Wkrs, Precision	471	Veterinary Assistants
31	Tax Preparers	203	Therapists	233	Veterinary Technols/Techns
781	Taxi Drivers & Chauffeurs	209	Therapists, NEC	404	Waiters & Waitresses
319	Teacher Aides & Educational Assts	458	Timber Cutting Workers, NEC	767	Water & Waste Treatment Plant Oprs
193	Teacher Aides, Paraprofessional	544	Tire Repairers & Changers	790	Water Transportation Occs
185	Teachers & Instructors, NEC	595	Tool & Die Makers	370	Weighers, Measurers, Checkers
175	Teachers & Instructors, Sec & Elem	597	Tool Grinders, Filers, & Sharpeners	751	Welders & Cutters
181	Teachers & Instructors, VocED	1	Total, All Occupations	665	Welding Machine Operators/Tenders
141	Teachers Librarians & Counselors	374	Traffic, Shipping & Receiving Clerks	664	Welding Machine Setters/Set-Up Oprs
178	Teachers, Elementary	775	Transportation & Material Mvng Machn Oprs	306	Welfare Eligibility Workers
177	Teachers, Kindergarten, Educ Srvcs	814	Transportation & Mtrl Mvng Eqp Oprs, NEC	36	Wholesale/Retail Buyers, Ex Farm
176	Teachers, Preschool, Educ Srvcs	443	Transportation Attendants	606	Wood Machinists
179	Teachers, Secondary School	800	Transportation Workers, NEC	604	Woodworkers, Precision
180	Teachers, Special Education	270	Travel Agents	681	Woodworking Machine Setters/Oprs/Tndrs
237	Technical Writers	777	Truck Drivers, Heavy	685	Woodworking Machn Setters, Ex Sawing
282	Telemarketers, Door-To-Door Sales	778	Truck Drivers, Light	686	Woodwrkng Machn Oprs/Tndrs, Ex Sawing
518	Telephone & Cable TV Installers, Rprs	331	Typists, Incl Word Processing	236	Writers & Editors
354	Telephone Operators	28	Underwriters	235	Writers, Editors, Artists, Entertainers, Athlts

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
1	Total, All Occupations	240,647	252,775	69,750	5.04%	5,765	1,210	6,975
2	Executive, Administrative & Managerial Occs	13,914	14,841	3,470	6.66%	253	94	347
3	Administrative Specialty Mgrs	2,961	3,163	720	6.82%	52	20	72
4	Financial Managers	932	972	190	4.29%	15	4	19
5	Human Resources Managers	361	373	90	3.32%	8	1	9
6	Purchasing Managers	278	277	60	-0.36%	6	0	6
7	Marketing, Advertising, Public Rltns Mgrs	541	585	120	8.13%	8	4	12
8	Administrative Services Mgrs	441	468	110	6.12%	8	3	11
9	Engineering/Math/Computer/Ntrl Sci Mgrs	408	488	150	19.61%	7	8	15
10	Line & Middle Management	3,386	3,706	1,000	9.45%	67	33	100
11	Postmasters, Mail Supe rintendents	33	34	10	3.03%	1	0	1
12	Education Administrators	870	982	330	12.87%	22	11	33
13	Medical & Health Service Mgrs	261	342	130	31.03%	5	8	13
14	Property & Real Estate Mgrs	151	165	30	9.27%	2	1	3
15	Industrial Production Managers	607	565	110	-6.92%	11	-4	11
16	Construction Managers	446	501	140	12.33%	8	6	14
17	Mining & Related Managers	147	105	30	-28.57%	3	-4	3
18	Communication/Transportation/Utilities Mgrs	206	231	70	12.14%	4	3	7
19	Food Service & Lodging Mgrs	645	753	220	16.74%	11	11	22
20	Lawn Service Managers	19	27	10	42.11%	0	1	1
21	Other Managers & Administrators	7,567	7,972	1,750	5.35%	134	41	175
22	Government Chief Executives & Legislators	169	175	50	3.55%	4	1	5
23	General Managers & Top Executives	5,545	5,958	1,380	7.45%	97	41	138
24	Managers & Administrators, NEC	1,853	1,839	330	-0.76%	33	-1	33
25	Professional Specialty Occs	42,231	49,905	16,230	18.17%	857	766	1,623
26	Management Support Occs	5,308	5,742	1,470	8.18%	104	43	147
27	Accountants, Auditors, Financial Specialists	1,969	2,123	510	7.82%	36	15	51
28	Underwriters	46	38	10	-17.39%	1	-1	1
29	Credit Analysts	24	26	10	8.33%	1	0	1

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
30	Loan Officers & Counselors	189	225	80	19.05%	4	4	8
31	Tax Preparers	64	78	20	21.88%	1	1	2
32	Accountants & Auditors	1,131	1,201	240	6.19%	17	7	24
33	Budget Analysts	76	79	20	3.95%	2	0	2
34	Financial Specialists, NEC	439	476	140	8.43%	10	4	14
35	Purchasing Agents & Buyers	518	525	140	1.35%	13	1	14
36	Wholesale/Retail Buyers, Ex Farm	122	123	30	0.82%	3	0	3
37	Purchasing Agts & Buyers, Farm	41	40	10	-2.44%	1	0	1
38	Purchasing Agts, Ex Who/Ret/Farm	355	362	100	1.97%	9	1	10
39	Personnel Specialists, Related	640	687	220	7.34%	17	5	22
41	Employment Interviewers	132	140	50	6.06%	4	1	5
42	Human Res, Training, Labor Rltns Specs	490	528	170	7.76%	13	4	17
43	Other Management Support Workers	2,181	2,407	600	10.36%	38	22	60
44	Cost Estimators	229	250	50	9.17%	3	2	5
45	Management Analysts	177	217	50	22.60%	1	4	5
46	Construction, Bldg Inspectors	165	188	60	13.94%	4	2	6
47	Inspectors & Compliance Officers	299	313	60	4.68%	5	1	6
48	Tax Examiners, Collectors, Revenue Agts	83	91	30	9.64%	2	1	3
49	Assessors	50	56	20	12.00%	1	1	2
51	Management Support Workers, NEC	1,161	1,273	330	9.65%	22	11	33
52	Engineers & Related Occupations	3,848	4,173	1,150	8.45%	84	31	115
53	Engineers	2,312	2,607	780	12.76%	49	29	78
54	Aerospace Engineers	36	42	20	16.67%	1	1	2
56	Mining Engineers, Incl Safety	81	53	20	-34.57%	2	-3	2
57	Chemical Engineers	73	74	20	1.37%	2	0	2
59	Civil Engineers, Incl Traffic	240	274	80	14.17%	5	3	8
60	Electrical & Electronics Engineers	308	347	110	12.66%	7	4	11
61	Computer Engineers	196	339	150	72.96%	1	14	15
62	Industrial Engineers, Ex Safety	264	278	50	5.30%	4	1	5

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
63	Safety Engineers, Ex Mining	44	43	10	-2.27%	1	0	1
64	Mechanical Engineers	318	331	70	4.09%	6	1	7
66	Engineers, NEC	721	796	280	10.40%	20	8	28
67	Architects & Surveyors	139	148	20	6.47%	2	0	2
68	Architects, Ex Landscape & Naval	73	85	20	16.44%	1	1	2
71	Surveyors, Cartogrphrs & Photogramtrsts	54	48	10	-11.11%	1	-1	1
72	Engineering Techns/Technols	1,397	1,418	350	1.50%	33	2	35
73	Civil Engineering Techns/Technols	74	84	30	13.51%	2	1	3
74	Electrical & Electronic Techns/Technols	248	266	70	7.26%	5	2	7
75	Industrial Engineering Techns/Technols	80	75	20	-6.25%	2	-1	2
76	Mechanical Engineering Techns/Technols	135	143	40	5.93%	3	1	4
77	Drafters	363	336	90	-7.44%	9	-3	9
79	Surveying & Mapping Techns	88	91	20	3.41%	2	0	2
80	Engineering Techns/Technols, NEC	399	416	120	4.26%	10	2	12
81	Natural Scientists & Related Occs	895	889	200	-0.67%	20	0	20
82	Physical Scientists	257	253	50	-1.56%	5	-1	5
84	Chemists	105	96	20	-8.57%	2	-1	2
86	Geologists, Geophysicists, Oceanogrphrs	52	52	10	0.00%	1	0	1
87	Physical Scientists, NEC	92	95	20	3.26%	2	0	2
88	Life Scientists	193	217	70	12.44%	4	3	7
89	Foresters, Conservation Scientists	47	53	20	12.77%	1	1	2
91	Biological Scientists	57	64	20	12.28%	1	1	2
93	Life Scientists, NEC	79	90	30	13.92%	2	1	3
94	Physical & Life Science Techns/Technols	445	419	110	-5.84%	11	-2	11
95	Biological, Agriculture & Food Techns	68	66	20	-2.94%	2	0	2
96	Chemical Techns/Technols, Ex Health	167	139	40	-16.77%	4	-3	4
98	Physical & Life Science Tchns/Tchnls, NEC	202	208	60	2.97%	5	1	6
99	Computer & Math Occupations	1,657	2,458	1,020	48.34%	22	80	102
100	Computer Systems Anlsts/Engnrs/Scientists	1,513	2,313	1,000	52.88%	20	80	100

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
101	Systems Analysts	503	893	420	77.53%	3	39	42
102	Database Administrators	83	106	30	27.71%	1	2	3
103	Computer Support Specialists	438	706	300	61.19%	3	27	30
104	Computer Programmers	377	441	180	16.98%	12	6	18
105	Computer Programmer Aides	47	53	20	12.77%	1	1	2
107	Computer Scientists, NEC	53	102	50	92.45%	0	5	5
108	Computer/Math Scientists & Rsrch Anlsts	144	145	20	0.69%	2	0	2
109	Operations Research Analysts	38	42	10	10.53%	1	0	1
110	Mathematical Scientists	50	46	10	-8.00%	1	0	1
113	Financial Analysts, Statistical	26	28	0	7.69%	0	0	0
115	Social Scientists, Recreation & Relig Occs	2,474	3,149	1,140	27.28%	46	68	114
116	Social Scientists	464	528	160	13.79%	9	7	16
117	Economists	58	64	20	10.34%	1	1	2
118	Urban & Regional Planners	162	194	60	19.75%	3	3	6
119	Psychologists	137	158	50	15.33%	3	2	5
120	Social Scientists, NEC	107	112	30	4.67%	2	1	3
121	Social & Recreation Wkrs	1,976	2,580	980	30.57%	37	61	98
122	Social Workers, Med & Psych	416	552	190	32.69%	5	14	19
123	Social Workers, Ex Med, Psych	631	831	280	31.70%	8	20	28
124	Residential Counselors	208	280	120	34.62%	5	7	12
125	Social/Human Service Assistants	452	597	270	32.08%	12	15	27
126	Recreation Workers	269	320	120	18.96%	7	5	12
127	Religious Workers	34	41	0	20.59%	0	0	0
131	Law & Related Occupations	705	871	240	23.55%	8	16	24
132	Lawyers & Judicial Workers	479	571	150	19.21%	6	9	15
133	Adjudicators, Hearing Officers	34	34	10	0.00%	1	0	1
134	Lawyers	444	536	140	20.72%	5	9	14
135	Legal Assistants & Technicians	226	300	90	32.74%	2	7	9
136	Law Clerks	52	45	10	-13.46%	1	-1	1

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
137	Paralegals & Legal Assistants	142	224	90	57.75%	1	8	9
140	Legal Assistants, NEC	25	24	0	-4.00%	0	0	0
141	Teachers Librarians & Counselors	15,122	18,080	6,290	19.56%	333	296	629
142	College & University Faculty	3,471	4,346	1,820	25.21%	95	87	182
143	Lecturers	61	62	10	1.64%	1	0	1
144	Nursing Instructors	90	108	40	20.00%	2	2	4
145	Graduate Assistants, Teaching	254	310	130	22.05%	7	6	13
146	Life Sciences Teachers, Postsecondary	103	136	60	32.04%	3	3	6
147	Chemistry Teachers, Postsecondary	51	62	20	21.57%	1	1	2
148	Physics Teachers, Postsecondary	35	43	20	22.86%	1	1	2
149	Physical Science Teachers, Pstscndry, NEC	57	70	30	22.81%	2	1	3
150	Health Diagnostics Teachers, Pstscndry	313	449	230	43.45%	9	14	23
151	Health Specialties Teachers, Pstscndry	59	85	50	44.07%	2	3	5
152	Communications Teachers, Pstscndry	29	40	20	37.93%	1	1	2
153	English Lang/Lit Teachers, Pstscndry	198	241	90	21.72%	5	4	9
154	Foreign Lang/Lit Teachers, Pstscndry	85	103	40	21.18%	2	2	4
155	Art, Drama & Music Teachers, Pstscndry	147	179	70	21.77%	4	3	7
156	Engineering Teachers, Postsecondary	112	137	60	22.32%	3	3	6
157	Architecture Teachers, Postsecondary	24	30	20	25.00%	1	1	2
158	Math & Science Teachers, Pstscndry	155	190	80	22.58%	4	4	8
159	Computer Science Teachers, Pstscndry	106	159	80	50.00%	3	5	8
160	Anthropology/Sociology Tchrs, Pstscndry	62	76	30	22.58%	2	1	3
162	Economics Teachers, Postsecondary	53	64	20	20.75%	1	1	2
163	History Teachers, Postsecondary	96	117	50	21.88%	3	2	5
164	Political Science Teachers, Postsecondary	53	64	20	20.75%	1	1	2
165	Psycholgy Teachers, Postsecondary	92	113	50	22.83%	3	2	5
166	Social Sciences, Teachers, Pstscndry, NEC	39	47	20	20.51%	1	1	2
167	Business Teachers, Postsecondary	225	275	110	22.22%	6	5	11
168	Law Teachers, Postsecondary	51	62	20	21.57%	1	1	2

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
169	Criminal Justice/Law Enfrcmnt Tchrs, Pstsc	24	30	20	25.00%	1	1	2
170	Education Teachers, Postsecondary	108	132	50	22.22%	3	2	5
171	Philosphy/Religion Teachers, Pstscndry	55	67	30	21.82%	2	1	3
172	Parks/Rec/Leisure/Fitns Stds Teachers	26	39	20	50.00%	1	1	2
174	Postsecondary Teachers, NEC	649	791	320	21.88%	18	14	32
175	Teachers & Instructors, Sec & Elem	9,441	11,000	3,570	16.51%	201	156	357
176	Teachers, Preschool, Educ Srvcs	455	577	220	26.81%	10	12	22
177	Teachers, Kindergarten, Educ Srvcs	273	309	100	13.19%	6	4	10
178	Teachers, Elementary	2,985	3,334	1,040	11.69%	69	35	104
179	Teachers, Secondary School	2,718	3,338	1,490	22.81%	87	62	149
180	Teachers, Special Education	690	923	290	33.77%	6	23	29
181	Teachers & Instructors, VocED	284	314	60	10.56%	3	3	6
182	Instructors, Adult (Non-VocEd)	46	56	10	21.74%	0	1	1
183	Instructors & Coaches, Sports	516	622	160	20.54%	5	11	16
184	Farm & Home Management Advisors	105	75	10	-28.57%	1	-3	1
185	Teachers & Instructors, NEC	1,369	1,452	220	6.06%	14	8	22
186	Librarians, Archivists, Curators	2,210	2,734	900	23.71%	37	53	90
187	Librarians	381	397	120	4.20%	10	2	12
188	Library Technicians	178	209	80	17.42%	5	3	8
189	Audio-Visual Specialists	33	33	0	0.00%	0	0	0
191	Counselors, Vocational Education	341	419	160	22.87%	8	8	16
192	Instructional Coordinators	183	216	50	18.03%	2	3	5
193	Teacher Aides, Paraprofessional	1,083	1,448	490	33.70%	12	37	49
194	Health Practitioners/Techns/Technols	9,517	11,556	3,830	21.42%	178	205	383
195	Health Diagnosing Occs	940	1,234	450	31.28%	15	30	45
196	Physicians	698	930	340	33.24%	11	23	34
197	Dentists	118	139	40	17.80%	2	2	4
198	Optometrists	35	40	20	14.29%	1	1	2
201	Veterinarians & Vet Inspectors	59	80	30	35.59%	1	2	3

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
203	Therapists	687	930	360	35.37%	12	24	36
204	Respiratory Therapists	129	181	70	40.31%	2	5	7
205	Occupational Therapists	117	156	60	33.33%	2	4	6
206	Physical Therapists	188	250	90	32.98%	3	6	9
207	Speech Pathologists, Audiologists	167	240	100	43.71%	3	7	10
208	Recreational Therapists	44	46	10	4.55%	1	0	1
209	Therapists, NEC	41	56	30	36.59%	1	2	3
210	Health Assessment & Treatment Occptns	5,678	6,725	2,130	18.44%	107	106	213
211	Registered Nurses	3,324	3,960	1,190	19.13%	55	64	119
212	Licensed Practical/Vocational Nurses	1,339	1,586	540	18.45%	29	25	54
213	Emergency Medical Techns & Paramedics	135	180	80	33.33%	3	5	8
214	Physician Assistants	69	106	50	53.62%	1	4	5
215	Opticians, Dispensing & Measuring	95	108	20	13.68%	1	1	2
216	Pharmacists	346	363	110	4.91%	9	2	11
217	Pharmacy Technicians	239	271	90	13.39%	6	3	9
218	Dietitians & Nutritionists	81	91	30	12.35%	2	1	3
219	Dietetic Technicians	50	60	20	20.00%	1	1	2
220	Health Technicians & Technologists	2,212	2,667	890	20.57%	44	45	89
221	Medical & Clinical Lab Technologists	193	207	30	7.25%	2	1	3
222	Medical & Clinical Lab Technicians	150	173	40	15.33%	2	2	4
223	Dental Hygienists	169	238	110	40.83%	4	7	11
224	Medical Records & Health Info Techns	88	127	60	44.32%	2	4	6
227	Radiologic Technologists & Technicians	278	316	80	13.67%	4	4	8
229	Cardiology Technols/Techns	50	71	30	42.00%	1	2	3
231	Surgical Technologists	66	90	40	36.36%	2	2	4
232	Psychiatric Technicians	154	144	20	-6.49%	2	-1	2
233	Veterinary Technols/Techns	53	60	20	13.21%	1	1	2
234	Health Prof, Paraprof, & Techns, NEC	935	1,165	460	24.60%	23	23	46
235	Writers, Editors, Artists, Entertainers, Athlts	1,049	1,159	330	10.49%	23	10	33

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
236	Writers & Editors	96	107	40	11.46%	3	1	4
237	Technical Writers	27	38	20	40.74%	1	1	2
238	Public Relations Specialists	132	151	50	14.39%	3	2	5
239	Reporters & Correspondents	63	58	20	-7.94%	2	-1	2
241	Announcers, Radio & TV	46	44	10	-4.35%	1	0	1
242	Photographers	44	49	20	11.36%	1	1	2
244	Broadcast & Sound Technicians	32	33	10	3.13%	1	0	1
246	Artists & Commercial Artists	93	107	30	15.05%	2	1	3
247	Designers, Ex Interior Designers	306	328	60	7.19%	4	2	6
248	Interior Designers	39	45	20	15.38%	1	1	2
249	Merchandise Displayers & Windw Drssrs	38	38	10	0.00%	1	0	1
253	Producers, Directors, Actors	45	59	20	31.11%	1	1	2
254	Athletes, Coaches, Umpires	46	55	30	19.57%	2	1	3
255	Other Prof, Paraprof, Techns	1,656	1,828	560	10.39%	39	17	56
258	Funeral Directors & Morticians	124	131	30	5.65%	2	1	3
259	Embalmers	37	38	10	2.70%	1	0	1
260	Prof, Paraprof, Techns, NEC	1,471	1,635	520	11.15%	36	16	52
261	Marketing & Sales Occupations	23,654	26,430	10,230	11.74%	745	278	1,023
262	Marketing & Sales Supervisors	2,613	2,997	720	14.70%	34	38	72
263	Marketing & Sales, Service	891	1,109	410	24.47%	19	22	41
264	Insurance Sales Workers	190	223	70	17.37%	4	3	7
266	Sales Agents, Real Estate	102	115	30	12.75%	2	1	3
268	Securities/Commodities/Financial Svcs, Sls	99	145	60	46.46%	1	5	6
269	Sales Agents, Business	202	267	110	32.18%	4	7	11
270	Travel Agents	79	95	40	20.25%	2	2	4
271	Sales Agents, Advertising	91	103	40	13.19%	3	1	4
272	Sales Reps, Services, NEC	91	121	60	32.97%	3	3	6
273	Other Sales Workers	20,150	22,324	9,100	10.79%	692	218	910
274	Sales Engineers	183	193	50	5.46%	4	1	5

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
275	Sales Representatives, Science	542	577	170	6.46%	13	4	17
276	Sales Representatives, Mfg & Wholesale	1,462	1,503	400	2.80%	36	4	40
277	Salespersons, Retail	6,485	7,236	2,950	11.58%	220	75	295
278	Salespersons, Parts	439	443	130	0.91%	13	0	13
279	Counter & Rental Clerks	629	748	390	18.92%	27	12	39
280	Stock Clerks, Sales Floor	2,128	1,998	320	-6.11%	32	-13	32
281	Cashiers	7,287	8,465	4,360	16.17%	318	118	436
282	Telemarketers, Door-To-Door Sales	322	448	210	39.13%	8	13	21
283	Demonstrators/Product Promoters	32	36	10	12.50%	1	0	1
284	Sales & Related Workers, NEC	638	673	240	5.49%	20	4	24
285	Administrative Support Occs, Clerical	29,662	30,958	7,490	4.37%	621	128	749
286	Administrative Support Supervisors	2,146	2,468	800	15.00%	48	32	80
287	Industry Specific Support Occs	4,294	4,784	1,570	11.41%	108	49	157
288	Bank, Security, Finance, Credit Workers	2,072	2,175	660	4.97%	55	11	66
289	Bank Tellers	1,024	963	440	-5.96%	44	-6	44
290	New Accounts Clerks, Banking	140	161	70	15.00%	5	2	7
294	Credit Checkers	44	43	0	-2.27%	0	0	0
295	Loan & Credit Clerks	146	161	40	10.27%	2	2	4
296	Adjustment Clerks	618	753	180	21.84%	4	14	18
298	Brokerage Clerks	31	40	10	29.03%	0	1	1
299	Selected Insurance Workers	284	339	100	19.37%	4	6	10
300	Insurance Adjusters/Examiners/Invstgtrs	65	82	30	26.15%	1	2	3
303	Insurance Claims Clerks	113	138	50	22.12%	2	3	5
304	Insurance Policy Processing Clerks	100	113	20	13.00%	1	1	2
305	Investigative & Related Workers	409	451	130	10.27%	9	4	13
306	Welfare Eligibility Workers	203	192	40	-5.42%	4	-1	4
308	Bill & Account Collectors	201	255	100	26.87%	5	5	10
309	Court, Municipal, License Clerks	174	193	40	10.92%	2	2	4
310	Court Clerks	65	73	20	12.31%	1	1	2

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
312	License Clerks	88	96	20	9.09%	1	1	2
313	Lodging & Travel Workers	286	322	130	12.59%	10	3	13
315	Reservation & Transportation Tckt Agnts	47	50	10	6.38%	1	0	1
316	Hotel/Motel/Resort Desk Clerks	224	256	120	14.29%	9	3	12
317	Industry Specific Workers, NEC	1,069	1,304	510	21.98%	28	23	51
318	Library Assistants & Bookmobile Drivers	356	420	230	17.98%	17	6	23
319	Teacher Aides & Educational Assts	590	756	240	28.14%	7	17	24
322	Real Estate Clerks	94	106	40	12.77%	3	1	4
323	General Office & Secretarial Workers	15,853	16,398	3,910	3.44%	339	52	391
324	Secretaries, Total	4,346	4,275	710	-1.63%	71	-8	71
325	Legal Secretaries	224	246	60	9.82%	4	2	6
326	Medical Secretaries	265	299	70	12.83%	4	3	7
327	Secretaries, Except Legal or Medical	3,857	3,730	630	-3.29%	63	-13	63
328	General Office Occupations	11,507	12,123	3,280	5.35%	268	60	328
329	Stenographers	106	122	40	15.09%	2	2	4
330	Receptionists & Information Clerks	1,711	2,062	680	20.51%	33	35	68
331	Typists, Incl Word Processing	314	256	60	-18.47%	6	-6	6
332	Human Resources Clerks, Ex Payroll/Time	190	168	40	-11.58%	4	-2	4
334	File Clerks	258	279	110	8.14%	9	2	11
335	Order Clerks: Materials, Service	506	500	120	-1.19%	12	-1	12
336	Procurement Clerks	115	100	20	-13.04%	2	-2	2
337	Statistical Clerks	65	66	10	1.54%	1	0	1
338	Interview Clerks, Except Personnel	146	176	80	20.55%	5	3	8
339	Customer Service Representatives	225	255	80	13.33%	5	3	8
340	Bookkeeping, Accounting, Audit Clerks	2,490	2,315	460	-7.03%	46	-18	46
341	Payroll & Timekeeping Clerks	328	273	70	-16.77%	7	-6	7
342	Billing, Cost & Rate Clerks	506	566	160	11.86%	10	6	16
343	General Office Clerks	4,524	4,962	1,690	9.68%	125	44	169
344	Electronic Data Procsssng & Offc Machn Wkrs	950	898	130	-5.47%	13	-5	13

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
345	Billing, Posting & Calculating Machn Oprs	116	119	20	2.59%	2	0	2
346	Duplicating Machine Operators	35	33	10	-5.71%	1	0	1
348	Computer Operators, Ex Peripheral	227	177	30	-22.03%	3	-5	3
349	Peripheral EDP Equipment Operators	30	18	0	-40.00%	0	-1	0
350	Data Entry Keyers, Ex Composing	383	408	60	6.53%	3	3	6
351	Data Entry Keyers, Composing	27	18	0	-33.33%	0	-1	0
352	Office Machine Operators, NEC	109	103	30	-5.50%	3	-1	3
353	Communication Equip Oprs, Mail Wrkrs	891	906	220	1.68%	20	2	22
354	Telephone Operators	275	236	50	-14.18%	5	-4	5
355	Switchboard Operators	230	202	50	-12.17%	5	-3	5
359	Mail & Message Distribution Workers	616	670	210	8.77%	15	6	21
360	Mail Clerks, Ex Mail Machine	86	91	30	5.81%	2	1	3
361	Postal Mail Carriers	381	415	140	8.92%	11	3	14
362	Postal Service Clerks	86	93	20	8.14%	1	1	2
363	Messengers	63	71	20	12.70%	1	1	2
364	Material Recordg/Schedulg/Distributg Occs	4,646	4,557	790	-1.92%	79	-9	79
365	Dispatchers: Police, Fire, & Ambulance	133	141	30	6.02%	2	1	3
366	Dispatchers, Ex Police, Fire & Ambulance	244	274	70	12.30%	4	3	7
367	Production, Planning & Expediting Clerks	455	405	50	-10.99%	5	-5	5
369	Meter Readers, Utilities	89	92	20	3.37%	2	0	2
370	Weighers, Measurers, Checkers	155	124	40	-20.00%	4	-3	4
371	Marking Clerks	64	50	20	-21.88%	2	-1	2
372	Stock Clerks:Stockroom/Warehouse/Yard	1,330	1,384	250	4.06%	20	5	25
373	Order Fillers, Wholesale/Retail	220	254	80	15.45%	5	3	8
374	Traffic, Shipping & Receiving Clerks	1,622	1,534	270	-5.43%	27	-9	27
375	Material Recording Workers, NEC	329	296	80	-10.03%	8	-3	8
376	Clerical Occupations, NEC	882	947	210	7.37%	14	7	21
377	Service Occupations	29,612	34,281	14,310	15.77%	963	468	1,431
378	Service Workers Supervisors	1,481	1,733	630	17.02%	37	26	63

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
379	Fire Fighting & Prevention Supervisors	125	141	60	12.80%	4	2	6
380	Police & Detective Supervisors	209	240	90	14.83%	6	3	9
381	Institutional Cleaning Supervisors	113	119	40	5.31%	3	1	4
382	Service Supervisors, NEC	1,034	1,233	440	19.25%	24	20	44
383	Private Household Workers	462	370	120	-19.91%	12	-9	12
386	Child Care Workers, Private	138	92	60	-33.33%	6	-5	6
387	Cleaners & Servants, Private	296	264	60	-10.81%	6	-3	6
388	Protective Service Occupations	3,285	3,994	1,680	21.58%	97	71	168
389	Fire Fighters	196	207	60	5.61%	5	1	6
390	Police Detectives	70	87	40	24.29%	2	2	4
391	Police Patrol Officers	605	790	350	30.58%	16	19	35
392	Correctional Officers	811	1,083	490	33.54%	22	27	49
395	Sheriffs & Deputy Sheriffs	216	291	100	34.72%	2	8	10
398	Crossing Guards	53	55	20	3.77%	2	0	2
399	Guards	881	974	310	10.56%	22	9	31
400	Protective Service Workers, NEC	379	431	310	13.72%	26	5	31
401	Food & Beverage Preparation	13,355	14,960	7,660	12.02%	606	160	766
402	Hosts & Hostesses:Restaurant, Lounge	359	427	180	18.94%	11	7	18
403	Bartenders	287	287	120	0.00%	12	0	12
404	Waiters & Waitresses	2,975	3,441	2,110	15.66%	164	47	211
405	Food Servers	139	163	140	17.27%	12	2	14
406	Dining Room & Cafeteria Helpers	600	625	210	4.17%	18	3	21
407	Counter Attendants, Lunchroom	313	351	300	12.14%	26	4	30
408	Bakers, Bread & Pastry	211	252	100	19.43%	6	4	10
409	Butchers & Meatcutters, Retail	239	208	60	-12.97%	6	-3	6
410	Cooks, Restaurant	1,141	1,355	510	18.76%	30	21	51
411	Cooks, Institution or Cafeteria	505	528	150	4.55%	13	2	15
412	Cooks, Fast Food	1,296	1,518	560	17.13%	34	22	56
413	Cooks, Short Order	308	358	130	16.23%	8	5	13

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
414	Food Preparation Workers	2,030	2,242	1,330	10.44%	112	21	133
415	Combined Food Prep & Serv Workers	2,390	2,652	1,580	10.96%	132	26	158
416	Food Prep & Service Workers, NEC	562	553	220	-1.60%	22	-1	22
417	Health Service Occupations	4,510	6,029	2,250	33.68%	74	151	225
418	Dental Assistants	315	449	180	42.54%	5	13	18
419	Medical Assistants	369	575	300	55.83%	9	21	30
420	Nursing Aides & Orderlies	2,372	3,026	980	27.57%	33	65	98
421	Home Health Aides	657	1,003	440	52.66%	9	35	44
422	Psychiatric Aides	128	118	20	-7.81%	2	-1	2
423	Physical, Corrective Therapy Assistants	129	190	90	47.29%	3	6	9
424	Occupational Therapy Assistants	40	60	30	50.00%	1	2	3
425	Ambulance Drivers & Attendants, Ex EMT	72	105	50	45.83%	2	3	5
426	Pharmacy Assistants	130	151	50	16.15%	3	2	5
427	Health Service Workers, NEC	298	352	120	18.12%	7	5	12
428	Cleaning & Building Service Occupations	4,283	4,517	1,130	5.46%	89	24	113
429	Maids & Housekeeping Cleaners	1,327	1,493	420	12.51%	25	17	42
430	Janitors & Cleaners	2,517	2,589	620	2.86%	55	7	62
431	Pest Controllers & Assistants	34	43	20	26.47%	1	1	2
432	Cleaning/Bldg Serv Wrks, NEC	405	392	80	-3.21%	8	-1	8
433	Selected Personal Service Occs	1,837	2,240	780	21.94%	37	41	78
434	Barbers	36	30	10	-16.67%	1	-1	1
435	Hairdressers & Hairstylists	447	494	170	10.51%	12	5	17
436	Manicurists	26	33	20	26.92%	1	1	2
437	Shampooers	49	56	20	14.29%	1	1	2
438	Amusement & Recreation Attendants	208	270	100	29.81%	4	6	10
440	Ushers, Lobby Attendants, & Ticket Tkrs	141	156	50	10.64%	3	2	5
441	Baggage Porters & Bellhops	25	28	0	12.00%	0	0	0
443	Transportation Attendants	30	20	10	-33.33%	1	-1	1
445	Personal & Home Care Aides	210	312	150	48.57%	5	10	15

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
446	Child Care Workers	480	630	200	31.25%	5	15	20
447	Funeral Attendants	150	165	60	10.00%	4	2	6
448	Service Occupations, NEC	399	438	150	9.77%	11	4	15
449	Agriculture, Forestry, & Fishing Occupations	14,269	13,183	3,980	-7.61%	398	-109	398
450	Farm Operators & Managers	1,815	1,759	280	-3.09%	28	-6	28
451	Farm Managers	1,456	1,423	240	-2.27%	24	-3	24
452	First Line Supervisors: Ag, Forest, Fish	119	133	30	11.76%	2	1	3
453	Supervisors, Farm Workers	239	202	20	-15.48%	2	-4	2
454	Forest & Logging Occupations	395	392	80	-0.76%	8	-1	8
455	Fallers & Buckers	55	50	10	-9.09%	1	-1	1
456	Log Handling Equipment Operators	162	165	40	1.85%	4	0	4
457	Logging Tractor Operators	129	134	30	3.88%	2	1	3
458	Timber Cutting Workers, NEC	42	37	10	-11.90%	1	-1	1
459	Farm Occupations	3,385	2,829	1,040	-16.43%	104	-56	104
460	Other Agriculture & Forestry Occupations	8,659	8,191	2,580	-5.40%	258	-46	258
461	Gardening, Nursery, Lawn Occs	156	135	30	-13.46%	3	-2	3
462	Forest & Conservation Workers	30	33	10	10.00%	1	0	1
463	Log Graders & Scalers	54	51	10	-5.56%	1	0	1
464	Graders & Sorters, Ag Products	64	66	20	3.13%	2	0	2
466	Animal Caretakers, Ex Farm	165	199	50	20.61%	2	3	5
467	Farm Equipment Operators	3,384	3,011	1,040	-11.02%	104	-37	104
468	Pruners	28	35	20	25.00%	1	1	2
470	Laborers, Landscapers, & Groundskprs	1,180	1,396	570	18.31%	35	22	57
471	Veterinary Assistants	69	89	30	28.99%	1	2	3
473	Farm Workers, Farm & Ranch Animals	26	33	20	26.92%	1	1	2
474	Agriculture, Forestry, Fishing Wkrs, NEC	3,472	3,109	1,070	-10.46%	107	-36	107
475	Precision Production, Craft & Repair Occs	30,304	29,586	6,970	-2.37%	697	-75	697
476	Production/Construction/Maintenance Sprvs	5,315	5,148	1,470	-3.14%	147	-17	147
477	First Line Supervisors: Mechanics & Rprs	954	1,001	330	4.93%	28	5	33

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
478	First Line Supervisors: Constrctn, Extrctn	1,081	1,042	290	-3.61%	29	-4	29
479	First Line Supervisors: Productn/Operatg	2,138	1,957	600	-8.47%	60	-18	60
480	First Line Supervisors: Transportation	323	335	90	3.72%	8	1	9
481	First Line Supervisors: Helpers, Laborers	421	412	110	-2.14%	11	-1	11
482	Construction & Rltd Supervisors, NEC	398	401	110	0.75%	11	0	11
483	Inspectors	2,186	1,727	480	-21.00%	48	-47	48
484	Inspectors, Testers, Graders, Precision	363	305	70	-15.98%	7	-6	7
485	Production Inspectors, Graders	1,726	1,321	390	-23.46%	39	-41	39
487	Inspectors, Testers, NEC	78	81	20	3.85%	2	0	2
488	Mechanics, Installers, & Repairers	9,773	9,965	2,470	1.96%	230	17	247
489	Machinery: Mechanic, Installer, Repairer	4,549	4,305	1,050	-5.36%	105	-26	105
490	Industrial Machinery Mechanics	736	744	180	1.09%	17	1	18
491	Machinery Mechanics: Textile	644	618	140	-4.04%	14	-3	14
492	Machinery Mechanics: Sewing	132	105	30	-20.45%	3	-3	3
494	Mine Machinery Mechanics	373	248	100	-33.51%	10	-13	10
495	Machinery Mechanics: Water & Power	125	128	30	2.40%	3	0	3
496	Machinery Mechanics, NEC	166	139	40	-16.27%	4	-3	4
497	Millwrights	172	164	50	-4.65%	5	-1	5
498	Machinery Maintenance Workers	302	280	70	-7.28%	7	-2	7
499	Maintenance Repairers, General Utility	1,881	1,861	420	-1.06%	42	-2	42
500	Vehicle & Mobile Equipment Mechanics	2,640	2,883	920	9.20%	67	25	92
501	Automotive Mechanics	1,359	1,515	500	11.48%	34	16	50
502	Automotive Body Repairers	334	392	160	17.37%	10	6	16
504	Bus, Truck, Diesel Engine Mechanics	458	493	140	7.64%	10	4	14
505	Mobile Heavy Equipment Mechanics	264	252	70	-4.55%	7	-1	7
506	Rail Car Repairers	36	32	10	-11.11%	1	0	1
507	Farm Equipment Mechanics	77	72	20	-6.49%	2	-1	2
508	Aircraft Mechanics	38	41	10	7.89%	1	0	1
509	Small Engine Specialists	61	70	30	14.75%	2	1	3

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
510	Communications Equipment Mechanics	107	123	50	14.95%	3	2	5
511	Central Office & PBX Installers, Rprs	50	66	40	32.00%	2	2	4
516	Communications Equipmt Mechns, NEC	24	27	10	12.50%	1	0	1
517	Electric & Electronic Equipment Mechanics	581	603	160	3.79%	15	1	16
518	Telephone & Cable TV Installers, Rprs	137	171	70	24.82%	4	3	7
519	Data Processing Equipment Repairers	30	37	10	23.33%	0	1	1
520	Elec Home Entertainment Equip Rprs	31	30	10	-3.23%	1	0	1
521	Elec Home Appliance & Power Tool Rprs	31	34	10	9.68%	1	0	1
522	Electric Motor, Transformer Repairers	43	35	10	-18.60%	1	-1	1
523	Electronics Rprs, Commrc'l & Indstr'l Eqp	46	49	10	6.52%	1	0	1
525	Electric Powerline Intallers & Repairers	174	165	40	-5.17%	4	-1	4
528	Electric & Electronic Equip Mechs, NEC	28	32	10	14.29%	1	0	1
529	Other Mechanics, Installers & Repairers	1,896	2,051	550	8.18%	40	15	55
530	Heat, A/C, Refrig Mechanics	451	523	150	15.96%	8	7	15
531	Precision Instrument Repairers	38	37	10	-2.63%	1	0	1
532	Electromedical & Biomedical Equip Rprs	22	25	0	13.64%	0	0	0
535	Locksmiths & Safe Repairers	60	67	30	11.67%	2	1	3
536	Office Machine & Cash Register Servicers	22	25	0	13.64%	0	0	0
537	Mechanical Control Installers & Repairers	27	28	10	3.70%	1	0	1
538	Elevator Installers & Repairers	33	38	20	15.15%	1	1	2
540	Mobile Home Repairers	343	386	120	12.54%	8	4	12
544	Tire Repairers & Changers	144	157	70	9.03%	6	1	7
545	Menders, Garments & Linens	49	38	10	-22.45%	1	-1	1
546	Mechanics, Installers, & Repairers, NEC	622	644	130	3.54%	11	2	13
547	Construction Trades & Extractive Occs	6,931	6,824	1,580	-1.54%	158	-10	158
548	Construction Trades Workers	1,609	1,655	470	2.86%	42	5	47
549	Carpenters	1,501	1,550	450	3.26%	40	5	45
551	Drywall Installers	64	69	20	7.81%	1	1	2
554	Electrical Workers	877	885	190	0.91%	18	1	19

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
555	Masonry Workers	425	471	110	10.82%	7	4	11
556	Brick Masons	142	163	50	14.79%	3	2	5
557	Stone Masons	25	28	10	12.00%	1	0	1
559	Concrete Fnshr/Cement Msn/Terrazzo Wkr	203	217	30	6.90%	2	1	3
561	Plasterers & Stucco Masons	34	40	20	17.65%	1	1	2
562	Painters, Paperhangers & Related Workers	373	425	150	13.94%	10	5	15
563	Plumbers & Related Workers	681	727	140	6.75%	9	5	14
564	Plumbers, Pipefitters, & Steamfitters	587	626	110	6.64%	7	4	11
566	Pipelayers	86	93	30	8.14%	2	1	3
567	Floor Related Workers	41	45	0	9.76%	0	0	0
571	Road, Rail, Construction & Maintenance	574	606	170	5.57%	13	4	17
573	Paving, Surfacing, & Tamping Operators	174	192	60	10.34%	4	2	6
574	Highway Maintenance Workers	344	369	110	7.27%	8	3	11
575	Rail-Track Laying & Maint Equip Oprs	44	32	10	-27.27%	1	-1	1
576	Other Construction Trades Workerrs	720	783	240	8.75%	18	6	24
577	Insulation Workers	102	117	50	14.71%	3	2	5
578	Hazardous Materials Removal Wkrs	57	65	20	14.04%	1	1	2
579	Sheet Metal Duct Installers	77	99	40	28.57%	2	2	4
580	Roofers	100	109	40	9.00%	3	1	4
581	Glaziers	38	37	10	-2.63%	1	0	1
582	Structural Metal Workers	82	86	20	4.88%	2	0	2
584	Construction Trades Workers, NEC	247	251	60	1.62%	6	0	6
585	Extractive & Related Workers	1,631	1,227	410	-24.77%	41	-40	41
586	Earth Drillers, Ex Oil & Gas	107	92	30	-14.02%	3	-2	3
587	Blasters & Explosive Workers	56	39	10	-30.36%	1	-2	1
588	Roof Bolters, Mining	394	213	100	-45.94%	10	-18	10
589	Continuous Mining Machine Operators	312	259	80	-16.99%	8	-5	8
590	Mining Machine Operators, NEC	259	174	60	-32.82%	6	-9	6
591	Extraction Workers, Ex Helpers, NEC	155	112	40	-27.74%	4	-4	4

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
592	Construction & Extractive Workers, NEC	195	206	60	5.64%	5	1	6
593	Precision Production Occupations	6,099	5,922	1,140	-2.90%	114	-18	114
594	Metal Workers, Precision	1,627	1,667	370	2.46%	33	4	37
595	Tool & Die Makers	273	261	50	-4.40%	5	-1	5
596	Machinists	832	852	190	2.40%	17	2	19
597	Tool Grinders, Filers, & Sharpeners	142	144	30	1.41%	3	0	3
601	Sheet Metal Workers	237	265	90	11.81%	6	3	9
603	Precision Metal Workers, NEC	58	60	10	3.45%	1	0	1
604	Woodworkers, Precision	2,295	2,136	370	-6.93%	37	-16	37
605	Pattern & Model Makers, Wood	79	78	20	-1.27%	2	0	2
606	Wood Machinists	546	539	60	-1.28%	6	-1	6
607	Cabinetmakers & Bench Carpenters	922	779	110	-15.51%	11	-14	11
608	Furniture Finishers	446	440	110	-1.35%	11	-1	11
609	Precision Woodworkers, NEC	260	259	60	-0.38%	6	0	6
610	Textile, Apparel, Furnish Wkrs, Precision	1,628	1,567	340	-3.75%	34	-7	34
611	Patternmakers & Layout Wkrs, Fbrc/Aprl	170	151	30	-11.18%	3	-2	3
612	Custom Tailors & Sewers	49	36	10	-26.53%	1	-1	1
613	Upholsterers	990	1,024	230	3.43%	20	3	23
615	Spotters, Dry Cleaning	23	25	10	8.70%	1	0	1
616	Pressers, Delicate Fabric	102	81	20	-20.59%	2	-2	2
617	Dyers, Precision	143	113	40	-20.98%	4	-3	4
618	Precision Textile Workers, NEC	142	127	30	-10.56%	3	-2	3
619	Printing Workers, Precision	88	87	10	-1.14%	0	1	1
623	Desktop Publishing Specialists	17	28	10	64.71%	0	1	1
630	Food Workers, Precision	127	110	30	-13.39%	3	-2	3
631	Slaughterers & Meat Packers	101	82	20	-18.81%	2	-2	2
635	Other Precision Workers	334	355	90	6.29%	7	2	9
636	Foundry Mold & Core Makers	27	27	10	0.00%	1	0	1
637	Molders & Shapers, Ex Jewelry/Foundry	33	34	10	3.03%	1	0	1

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
641	Precision Workers, NEC	201	220	70	9.45%	5	2	7
642	Operators, Fabricators, & Laborers	57,001	53,591	12,310	-5.98%	1,231	-340	1,231
643	Machine Setters, Set-Up Opr/Tndrs	22,710	18,910	4,310	-16.73%	431	-380	431
644	Selected Machn Sttrs, Set-Up Oprs/Tndrs	779	660	190	-15.28%	19	-12	19
645	Sawing Machine Tool Setters/Oprs, M/P	37	39	10	5.41%	1	0	1
646	Lathe & Turning Machn Setters/Oprs, M/P	178	159	40	-10.67%	4	-2	4
647	Drilling & Boring Machn Setters/Oprs, M/P	127	98	30	-22.83%	3	-3	3
648	Milling Machine Setters/Oprs, M/P	49	49	10	0.00%	1	0	1
649	Grinding Mach Setters/Oprs, M/P	108	95	30	-12.04%	3	-1	3
650	Machine Tool Cutting Oprs, M/P	280	220	70	-21.43%	7	-6	7
651	Machine Cut/Form Setters/Oprs, M/P	756	729	190	-3.57%	19	-4	19
652	Punching Machine Setters/Oprs, M/P	84	78	20	-7.14%	2	-1	2
653	Press Machine Setters/Oprs, M/P	138	150	40	8.70%	3	1	4
654	Shear Machine Setters/Oprs, M/P	29	31	10	6.90%	1	0	1
655	Extruding & Drawing Setters/Oprs, M/P	69	80	30	15.94%	2	1	3
656	Rolling Machine Setters/Oprs, M/P	26	26	10	0.00%	1	0	1
657	Forging Machine Setters/Oprs, M/P	50	52	10	4.00%	1	0	1
658	Machine Forming Operators, M/P	360	312	90	-13.33%	9	-5	9
659	Numerical & Combination Machn Sttrs/Oprs	386	435	130	12.69%	8	5	13
660	Numerical Control Machn Operators, M/P	157	180	50	14.65%	3	2	5
661	Combination Machine Tool Setters, M/P	118	133	50	12.71%	3	2	5
662	Combination Machn Tool Oprs/Tndrs, M/P	111	122	30	9.91%	2	1	3
663	Metal Fabricating Machn Setters/Oprs, M/P	379	385	90	1.58%	9	0	9
664	Welding Machine Setters/Set-Up Oprs	100	101	30	1.00%	3	0	3
665	Welding Machine Operators/Tenders	206	208	50	0.97%	5	0	5
667	Metal Fabricators, Structural Metal	48	51	10	6.25%	1	0	1
668	Metal & Plastic Process Machine Sttrs/Oprs	782	856	280	9.46%	20	8	28
669	Plastic Molding/Casting Machn Sttrs/Oprs	73	82	30	12.33%	2	1	3
670	Plastic Molding/Casting Machn Oprs/Tndrs	292	338	120	15.75%	7	5	12

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
671	Metal Mold/Core/Cast Machine Sttrs/Oprs	26	25	10	-3.85%	1	0	1
672	Metal Mold/Core/Cast Machine Oprs/Tndrs	145	159	50	9.66%	4	1	5
673	Foundry Mold Assembly & Shakeout Wkrs	64	65	20	1.56%	2	0	2
674	Electrolytic Plate/Coat Machn Sttrs/Oprs, M/P	38	41	10	7.89%	1	0	1
675	Electrolytic Plate/Coat Machn Oprs, M/P	41	47	20	14.63%	1	1	2
676	Heat Treating Machine Oprs/Tndrs	29	28	10	-3.45%	1	0	1
677	Furnace Operators & Tenders	52	50	10	-3.85%	1	0	1
678	Other Metal & Plastic Setters/Oprs/Tndrs	460	477	130	3.70%	11	2	13
679	Metal & Plastic Setters/Oprs, NEC	241	249	70	3.32%	6	1	7
680	Metal & Plastic Oprs/Tndrs, NEC	219	228	60	4.11%	5	1	6
681	Woodworking Machine Setters/Oprs/Tndrs	2,117	1,760	560	-16.86%	56	-35	56
682	Sawing Machine Setters/Set-Up Oprs	133	110	40	-17.29%	4	-2	4
683	Head Sawyer	115	112	30	-2.61%	3	0	3
684	Sawing Machine Operators/Tenders	857	751	250	-12.37%	25	-11	25
685	Woodworking Machn Setters, Ex Sawing	381	300	90	-21.26%	9	-8	9
686	Woodwrkng Machn Oprs/Tndrs, Ex Sawing	631	487	150	-22.82%	15	-14	15
687	Printing, Binding, & Related Occs	522	483	100	-7.47%	10	-3	10
688	Print Press Machine Setters	25	26	10	4.00%	1	0	1
689	Offset Lithographic Press Oprs	53	44	10	-16.98%	1	-1	1
692	Specialty Material Printing Machine Sttrs	27	29	10	7.41%	1	0	1
693	Screen Printing Machine Setters/Oprs	105	85	20	-19.05%	2	-2	2
697	Printing Press Machine Oprs/Tndrs	151	153	30	1.32%	3	0	3
699	Bindery Machine Operators	38	43	20	13.16%	1	1	2
700	Printing, Binding, & Related Workers, NEC	65	53	10	-18.46%	1	-1	1
701	Textile & Related Setters/Oprs/Wkrs	11,500	8,300	1,770	-27.83%	177	-320	177
702	Textile Machine Setters/Oprs	489	347	80	-29.04%	8	-14	8
703	Textile Machine Oprs/Tndrs	3,155	2,157	530	-31.63%	53	-100	53
704	Extruding & Forming Machine Oprs/Tndrs	301	296	50	-1.66%	5	-1	5
705	Textile Draw-Out Machine Oprs/Tndrs	153	105	30	-31.37%	3	-5	3

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
706	Textile Bleach & Dye Machine Oprs/Tndrs	446	343	70	-23.09%	7	-10	7
707	Sewing Machine Oprs, Garment	4,828	2,957	660	-38.75%	66	-187	66
708	Sewing Machine Oprs, Non-Garment	1,361	1,436	270	5.51%	19	8	27
709	Laundry & Drycleaning Machine Oprs	321	341	100	6.23%	8	2	10
710	Pressing Machine Oprs/Tndrs, Textiles	418	299	70	-28.47%	7	-12	7
711	Other Machine Setters/Oprs,Tndrs	5,029	4,825	1,020	-4.06%	102	-21	102
712	Electronic Semiconductor Processors	28	41	10	46.43%	0	1	1
716	Paper Goods Machine Setters/Oprs	90	98	30	8.89%	2	1	3
719	Furnace, Kiln, Oven, Drier or Kettle Oprs	110	99	20	-10.00%	2	-1	2
720	Boiler Operators & Tenders, Low Pressure	98	89	20	-9.18%	2	-1	2
723	Chemical Equipment Controllers/Oprs	310	357	120	15.16%	7	5	12
724	Chemical Equipment Tenders	37	44	20	18.92%	1	1	2
725	Cutting & Slicing Machine Setters/Oprs	127	114	30	-10.24%	3	-1	3
726	Cutting & Slicing Machine Oprs/Tndrs	222	205	50	-7.66%	5	-2	5
727	Painters, Transportation Equipment	80	84	20	5.00%	2	0	2
728	Coat/Paint/Spray Machine Setters/Oprs	130	133	30	2.31%	3	0	3
729	Coat/Paint/Spray Machine Oprs/Tndrs	280	283	60	1.07%	6	0	6
730	Cement & Gluing Machine Oprs/Tndrs	162	131	40	-19.14%	4	-3	4
731	Cleaning/Washing/Pickling Eqp Oprs/Tndrs	68	57	20	-16.18%	2	-1	2
732	Separating & Still Machn Sttrs/Oprs/Tndrs	72	56	20	-22.22%	2	-2	2
733	Crushing/Grinding/Mixg Machn Oprs/Tndrs	306	290	70	-5.23%	7	-2	7
734	Extrud/Form/Press Machine Setters/Oprs	66	65	20	-1.52%	2	0	2
735	Extrud/Form/Press Machine Oprs/Tndrs	280	280	70	0.00%	7	0	7
736	Packaging & Filling Machine Oprs/Tndrs	638	579	170	-9.25%	17	-6	17
737	Machine Setters/Setup Oprs, NEC	396	386	60	-2.53%	6	-1	6
738	Machine Operators/Tenders, NEC	1,450	1,365	210	-5.86%	21	-9	21
739	Handworking Occupations, Incl Assemblers	9,878	9,751	2,060	-1.29%	206	-14	206
740	Assemblers, Precision	848	819	200	-3.42%	20	-4	20
741	Machine Builder Assemblers, Precision	213	208	50	-2.35%	5	-1	5

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
743	Electromechanical Equipment Assmblrs	79	77	20	-2.53%	2	0	2
744	Electrical/Electronic Equip Assmblrs, Prec	276	259	60	-6.16%	6	-2	6
745	Precision Assemblers, Metral, NEC	204	203	50	-0.49%	5	0	5
746	Other Hand Workers & Assemblers	9,030	8,932	1,860	-1.09%	186	-10	186
747	Machine Assemblers	159	153	30	-3.77%	3	-1	3
748	Electrical & Electronic Assemblers	468	431	80	-7.91%	8	-4	8
749	Coil Winders, Tapers & Finishers	128	115	20	-10.16%	2	-1	2
750	Glaziers, Manufacturing	48	51	10	6.25%	1	0	1
751	Welders & Cutters	742	737	190	-0.67%	19	-1	19
752	Solderers & Brazers	42	48	20	14.29%	1	1	2
753	Pressers, Hand	69	43	20	-37.68%	2	-3	2
754	Sewers, Hand	70	54	10	-22.86%	1	-2	1
755	Cutters & Trimmers, Hand	325	336	90	3.38%	8	1	9
756	Portable Machine Cutters	57	43	10	-24.56%	1	-1	1
758	Meat, Poultry & Fish Cutters, Hand	34	32	10	-5.88%	1	0	1
760	Molders & Casters, Hand	55	60	20	9.09%	1	1	2
761	Painting, Coating & Decoratg Wkrs, Hand	106	85	20	-19.81%	2	-2	2
762	Engraving & Printing Wkrs, Hand	18	26	10	44.44%	0	1	1
763	Grinders & Polishers, Hand	445	463	140	4.04%	12	2	14
764	Assemblers & Fabricators, NEC	4,927	4,979	930	1.06%	88	5	93
765	Hand Workers, NEC	1,315	1,253	350	-4.71%	35	-6	35
766	Plant & System Occupations	821	858	250	4.51%	21	4	25
767	Water & Waste Treatment Plant Oprs	311	348	110	11.90%	7	4	11
768	Chemical Plant & System Oprs	140	152	50	8.57%	4	1	5
770	Power Generating Plant Oprs	39	39	10	0.00%	1	0	1
773	Stationary Engineers	42	39	10	-7.14%	1	0	1
774	Plant & System Oprs, NEC	222	214	70	-3.60%	7	-1	7
775	Transportation & Material Mvng Machn Oprs	11,955	12,534	2,560	4.84%	197	59	256
776	Motor Vehicle Operators	7,666	8,620	2,140	12.44%	117	97	214

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
777	Truck Drivers, Heavy	3,751	4,136	930	10.26%	54	39	93
778	Truck Drivers, Light	1,973	2,288	600	15.97%	28	32	60
779	Bus Drivers, Transit/Intercity	245	303	100	23.67%	4	6	10
780	Bus Drivers, School	1,099	1,232	330	12.10%	20	13	33
781	Taxi Drivers & Chauffeurs	138	186	70	34.78%	2	5	7
782	Drivers & Sales Workers	393	410	100	4.33%	8	2	10
783	Motor Vehicle Operators, NEC	67	65	10	-2.99%	1	0	1
784	Rail Transportation Workers	221	188	70	-14.93%	7	-5	7
785	Railroad Conductors & Yardmasters	61	55	20	-9.84%	2	-1	2
786	Locomotive Engineers	79	81	30	2.53%	3	0	3
789	Railroad Brake, Signal & Switch Oprs	33	16	10	-51.52%	1	-2	1
790	Water Transportation Occs	37	37	10	0.00%	1	0	1
796	Pilot, Flight Engineer Occs	23	25	10	8.70%	1	0	1
797	Other Transportation Workers	542	530	170	-2.21%	17	-1	17
798	Service Station Attendants	292	258	130	-11.64%	13	-3	13
800	Transportation Workers, NEC	235	253	60	7.66%	4	2	6
801	Material Moving Equipment Operators	3,466	3,134	540	-9.58%	54	-32	54
803	Excavation & Loading Machine Operators	412	440	110	6.80%	8	3	11
804	Loading Machine Operators, Mining	125	81	20	-35.20%	2	-4	2
805	Shuttle Car Operators	267	173	60	-35.21%	6	-9	6
806	Grader, Dozer & Scraper Operators	536	436	40	-18.66%	4	-10	4
808	Crane & Tower Operators	74	69	20	-6.76%	2	-1	2
809	Industrial Truck & Tractor Operators	1,098	1,092	130	-0.55%	13	-1	13
810	Conveyor Operators/Tenders	180	138	40	-23.33%	4	-4	4
812	Operating Engineers	171	180	40	5.26%	3	1	4
813	Material Moving Equipment Oprs, NEC	356	328	80	-7.87%	8	-3	8
814	Transportation & Mtrl Mvng Eqp Oprs, NEC	141	115	30	-18.44%	3	-3	3
815	Hand Labor & Material Moving Helpers	11,637	11,538	3,760	-0.85%	376	-9	376
816	Helpers: Mechanics & Repairers	452	455	200	0.66%	20	0	20

ESTIMATED 1998 AND PROJECTED 2008 OCCUPATIONAL EMPLOYMENT AND ANNUAL AVERAGE JOB OPENINGS

Region 1 - Southwest VA 1998 - 2008

LINE	OCCUPATIONAL TITLE	EMPLOYMENT		CHANGE		ANNUAL OPENINGS 1998-2008		
		Estimated 1998	Projected 2008	Number	Percent	Replacements	Growth	Total
817	Helpers: Construction Trades	1,215	1,264	620	4.03%	56	6	62
818	Helpers: Brick & Stone Masons	105	116	60	10.48%	5	1	6
819	Helpers: Carpenters & Related	327	365	190	11.62%	15	4	19
820	Helpers: Electricians & Related	122	111	60	-9.02%	6	-1	6
821	Helpers: Painters & Paperhangers	36	39	20	8.33%	2	0	2
822	Helpers: Plumbers & Related	205	223	110	8.78%	9	2	11
823	Helpers: Roofers	36	43	30	19.44%	2	1	3
824	Construction Trades Helpers, NEC	354	341	160	-3.67%	16	-1	16
825	Helpers: Extractive Workers	30	26	10	-13.33%	1	0	1
826	Machine Feeders & Offbearers	875	811	260	-7.31%	26	-6	26
827	Freight, Stock & Material Movers, Hand	1,883	1,647	690	-12.53%	69	-24	69
829	Refuse/Recyclable Material Collectors	124	126	50	1.61%	5	0	5
830	Freight, Stock & Mtrl Mvrs, Hand, NEC	1,751	1,512	640	-13.65%	64	-24	64
831	Other Helpers, Laborers & Movers	7,212	7,361	2,200	2.07%	205	15	220
832	Hand Packers & Packagers	2,806	2,907	790	3.60%	69	10	79
833	Cleaners of Vechicles/Equipment	331	399	170	20.54%	10	7	17
834	Helpers, Laborers & Movers, NEC	4,075	4,055	1,260	-0.49%	126	-2	126

**OCCUPATIONS DELETED DUE TO 1998 AND 2008 EMPLOYMENT LEVELS
OF LESS THAN 25 IN THE REGION OR 100 STATEWIDE**

Region 1 - Southwest VA 1998 - 2008

OCCUPATION	OCCUPATION	OCCUPATION
Actuaries	Communication Equipment Oprs, NEC	Floor Sanding Machine Operators
Advertising Clerks	Compositors & Typesetters, Precision	Food Batchmakers
Agricultural & Food Scientists	Cooking Machine Oprs, Food & Tobacco	Forest Fire Inspectors & Prevention
Agricultural Engineers	Cooks, Private Household	Frame Wires, Central Office
Agricultural Sciences Teachers, Pstscndry	Cooling & Freezing Equipment Oprs/Tndrs	Gas Appliance Repairers
Agriculture Related Occupations	Corrective & Manual Arts Therapists	Gas Compressor Operators
Air Hammer Operators	Correspondence Clerks	Gas Plant Operators
Air Traffic Controllers	Credit Authorizers	Gaugers
Aircraft Engine Specialists	Criminal Investigators, Federal	Geography Teachers, Postsecondary
Aircraft Structural Assemblers, Precision	Curators, Archivists & Museum Techns	Guides
Animal Breeders	Dairy Processing Equipment Oprs/Setters	Hard Tile Setters
Animal Trainers	Dancers & Choreographers	Health Practitioners, NEC
Area/Ethnic/Cultural Studies Tchrs, Pstsc	Dental Lab Technicians, Precision	Heaters, Metal & Plastic
Atmospheric & Space Scientists	Derrick Operators, Oil/Gas	Heating Equipment Setters/Oprs, M/P
Auxiliary Equipment Oprs, Power	Detail Design Decorators & Painters	Hoist & Winch Operators
Bailiffs	Detectives, Except Public	Home Economics Teachers, Pstscndry
Bicycle Repairers	Directors, Religious Activities/Education	Housekeepers & Butlers, Private
Bindery Machine Setters/Oprs	Directory Assistance Operators	Inspectors, Agricultural Products
Boilermakers	Dragline Operators	Instrument Makers, Precision
Bookbinders	EKG Technicians	Insurance Appraisers, Auto Damage
Brattice Builders	Electric Meter Installers & Repairers	Insurance Examining Clerks
Bridge, Lock & Lighthouse Tenders	Electrical Installers & Repairers	Investigators, Clerical
Broadcast News Analysts	Electroneurodiagnostic Techns	Jewelers & Silversmiths
Brokers, Real Estate	Estimators & Drafters, Utilities	Job Printers
Camera Operators	Etchers & Engravers, Precision	Judges & Magistrates
Camera Operators, TV/Movie/Video	Farm Workers, Food & Fiber Crops	Landscape Architects
Captains & Officers, Fish Vessel	Farmers	Lathers
Captains, Water Vessels	Fence Erectors	Layout Workers, Metal, Precision
Carpet Installers	Film Editors	Letterpress Operators
Ceiling Tile Installers & Acoust Carptrs	Film Strippers, Printing	Library Science Teachers, Postsecondary
Central Office Operators	Fire Inspectors	Lithographic & Photengrvg Workers, NEC
Chiropractors	Fish & Game Wardens	Loan Interviewers
Choke Setters	Fishers	Locomotive Firers
Claims Examiners, Insurance	Fishing, Hunting, & Trapping Occupations	Longshore Equipment Operators
Claims Takers, Unemployment Benefits	Fitters, Structural Metal, Precision	Machinery Mechanics: Marine
Clergy	Flight Attendants	Mail Machine Operators
Coin & Vending Machine Servicers	Floor Layers, Ex Carpet	Marine Architects

**OCCUPATIONS DELETED DUE TO 1998 AND 2008 EMPLOYMENT LEVELS
OF LESS THAN 25 IN THE REGION OR 100 STATEWIDE**

Region 1 - Southwest VA 1998 - 2008

OCCUPATION	OCCUPATION	OCCUPATION
Marine Engineers	Physicists & Astronomers	Shipfitters
Materials Engineers	Pile Driving Equipment Operators	Shoe & Leather Workers, Precision
Mates: Ship, Boat & Barge	Pipelaying Fitters	Shoe Sewing Machine Oprs/Tndrs
Mathematical Scientist, NEC	Platemakers	Signal & Track Switch Maintainers
Medical Appliance Makers	Podiatrists	Social Work Teachers, Postsecondary
Medical Scientists	Power & Substation, Electricians	Soldering & Brazing Machine Oprs/Tndrs
Metal Pourers & Casters, Basic Shape	Power Distributors & Dispatchers	Soldering & Brazing Machine Setters/Oprs
Mine Cutting, Channeling Machine Oprs	Precision Food & Tobacco Workers, NEC	Special Agents, Insurance
Models	Precision Printing Workers, NEC	Sprayers & Applicators
Motion Picture Projectionists	Printing Press Setters/Oprs, NEC	Statement Clerks
Motorcycle Repairers	Printing Setters/Oprs, NEC	Station Installers & Repairers, Telephone
Municipal Clerks	Programmers: Numerical Tool & Prcss Cntrl	Statisticians
Music Directors, Singers & Related Wkrs	Proofreaders & Copy Markers	Stevedores, Ex Equipment Operators
Musical Instrument Repairers/Tuners	Pump Operators	Subway & Streetcar Oprs
Musicians, Instrumental	Radiation Therapists	Supervisors, Related Agric Occs
Nonelectrolytic Plate/Coat Setters, M/P	Radio Mechanics	Tank Car & Truck Loaders
Nuclear Engineers	Radio Operators	Tapers
Nuclear Medicine Technologists	Rail Transportation Operators, NEC	Telegraph & Teletype Installers, Rprs
Nursery & Greenhouse Mgrs	Rail Yard Engineers, Dinkey Oprs	Telegraph/Teletype Operators
Oil Pumpers, Ex Wellhead	Railroad & Transit Police	Tire Building Machine Operators
Ophthalmic Laboratory Technicians	Real Estate Appraisers	Title Examiners & Abstractors
Parking Enforcement Officers	Refractory Material Repairers	Title Searchers
Parking Lot Attendants	Reinforcing Metal Workers	Traffic Technicians
Paste-up Workers	Religious Workers, NEC	Transit Clerks
Pattern & Model Makers, Metal	Riggers	Transportation Agents
Pattern Markers, Wood	Roasting & Drying Oprs/Tndrs, Fd/Tbcco	Transportation Inspectors
Patternmakers & Model Makers	Rock Splitters, Quarry	Travel Clerks
Petroleum Engineers	Rotary Drill Operators, Oil/Gas	Typesetting & Composing Machine Oprs
Petroleum Pump System Oprs	Roustabouts, Oil/Gas	Wardrobe & Dressing Room Attendants
Petroleum Refinery Operators	Scanner Operators	Watch & Chlock Assemblers, Prec
Petroleum Techns/Technols	Seamen, Able	Watchmakers
Photoengravers	Seamen, Ordinary & Maine Oilers	Wellhead Pumpers
Photoengraving & Lithographic Oprs/Tndrs	Septic Tank Servicers, Sewer Pipe Clnrs	
Photographic Process Machine Oprs	Service Unit Operators, Oil/Gas/Mine	
Photographic Process Wkrs, Precision	Ship Engineers	